

GRAIN & FEED JOURNALS

CONSOLIDATED

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A Merger of Grain Dealers Journal, American Elevator & Grain Trade, Grain World and Price Current-Grain Reporter

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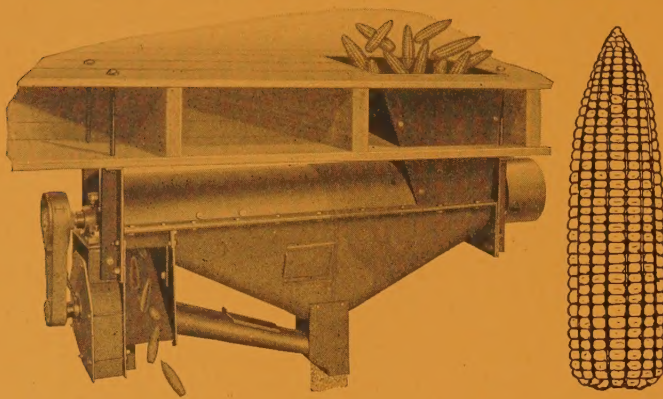
Managing Early Maturing Pullets

Development of the Soybean Oil Meal
Industry



A 27,000 bu. Cribbed Iron Clad Elevator at Hayes, Kan.

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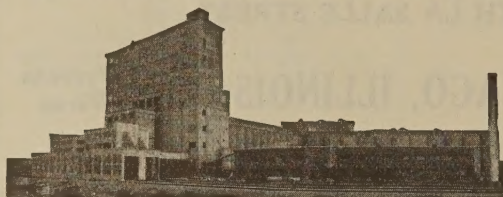
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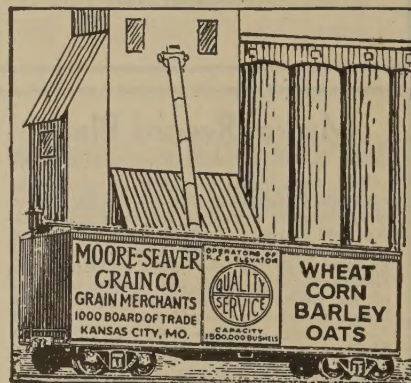
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STORAGE CAPACITY 2,500,000 BUSHEL

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Federal Bonded Warehouse
Capacity 1,200,000 Bushels

Over 60 Years' Continuous Service

ENID TERMINAL ELEV. CO.

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Total Storage 3,000,000 bus.

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Successors to

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The use of these confirmations makes for safer business. Spaces are provided for recording all essential conditions of each trade.

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If you would avoid trade disputes, and differences and prevent expensive errors, use triplicating confirmation blanks. You retain tissue copy, sign and send original and duplicate to customer. He signs one and returns the other.

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Future Trading

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Markets

by G. Wright Hoffman

Reviews the development and extent of future trading in the various commodities and markets; explains effect of future trading on price stabilization and operation of future markets. Cloth bound, 500 pages, price \$5.00, plus postage. Weight, 3 lbs.

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332 S. LaSalle St. Chicago, Ill.

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When considering insurance that intangible asset—built by years of fair and faithful service and commonly called **GOODWILL**—should be given equal weight with surplus and reserves.

The **MILL MUTUALS** have retained the goodwill of their policyholders through the years.

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Also Residence Property insured against Fire and Windstorm

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Record of Cars Shipped

This double page form is designed especially for country shippers in keeping a complete record of each car of grain shipped from any station or to any firm. On each double page are the following column headings: Date Sold, Date Shipped, Car No., Initials, To Whom Sold, Destination, Grain, Grade Sold, Their Inspection, Discount, Amount Freight, Our Weight, Bushels, Destination Bushels, Over, Short, Price, Amount, Freight, Other Charges, Remarks.

The book is 9½ x 12 inches, and contains 160 pages of ledger paper, 29 lines to each page, and has spaces for recording the foregoing facts regarding 2320 carloads. It is well bound in strong boards with karetol back and corners.

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and business before the progressive grain elevator men of the entire country by advertising in the Grain & Feed Journals Consolidated. It reaches them twice each month.

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A complete line of Rotary Driers and Feeders for mill and feed plants.

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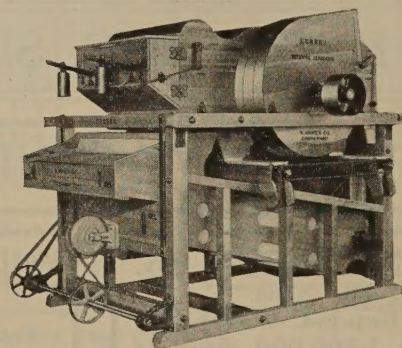
European Markets

on grain, flour and feed products best and most reliable information is found in the daily

"German Grain Journal"

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Standardized Receiving Separator

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Note the entire elimination of eccentric shaft and eccentrics.

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to build or overhaul your elevator. Costs
of labor and material were never lower.
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THE

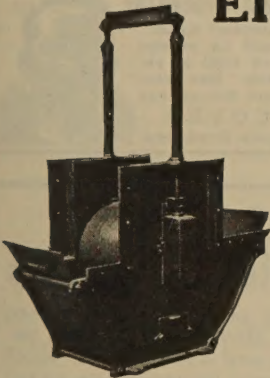
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Designers and Builders of modern,
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*Use Rubber Covered Cup
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*Consulting Engineers to the
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Capacity
10,500,000 Bushels

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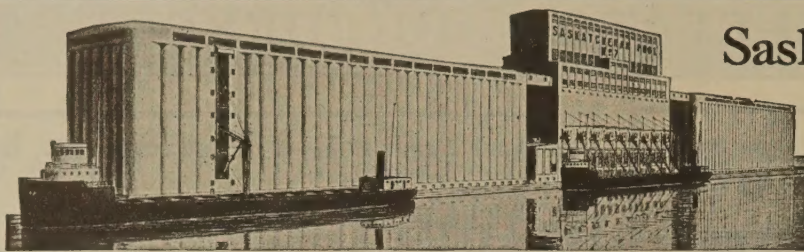
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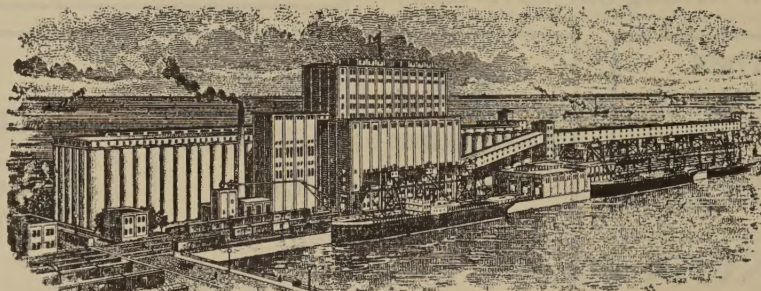
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Equipped with
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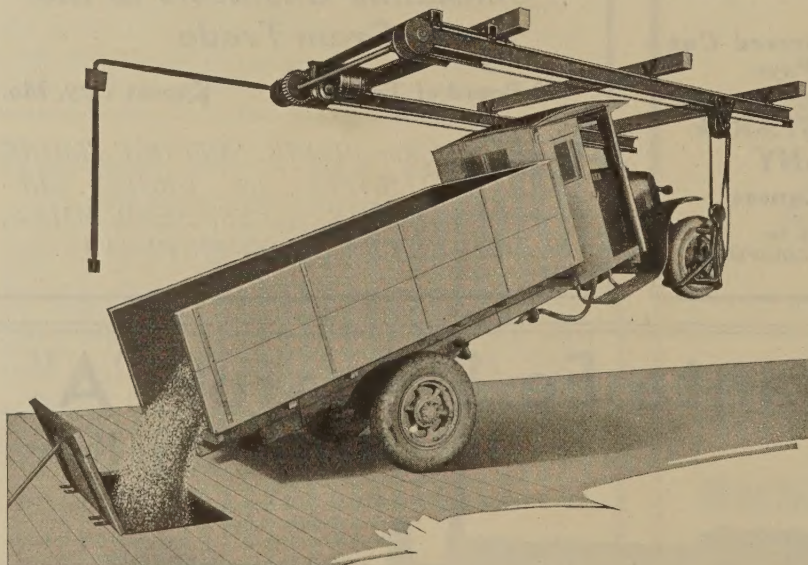
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In the above dump not the slightest detail was overlooked which would assist in its installation, convenience and speed in its operation, as well as durability and small expense in operation. Its being overhead and having no connection with the floor, leaves the driveway clear. Changing of the hoisting device to suit the different length vehicles is a small item compared with other dumps. By extending the track it will dump into any number of dump doors. This dump is equipped with the latest type of worm gear motor and first-class material throughout. Capacity for the largest loads; fully guaranteed.

For complete descriptive circular including drawings for installation and prices,

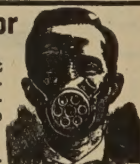
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Rubber Protector, \$2.00
Sent postpaid on receipt
of price; or on trial to re-
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matic valve and fine sponge

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Safety Sample Envelopes

for mailing samples of grain, feed and seed. Made of heavy kraft paper, strong and durable; size, 4½x7 inches. Have a limited supply to sell at \$2.60 per hundred, or in lots of 500, \$2.30 per hundred, f. o. b. Chicago.

GRAIN & FEED JOURNALS
Consolidated
332 S. La Salle St., Chicago, Ill.

Leaking Car Report Blanks

bear a reproduction of a box car and a form showing all points at which a car might leak, thus facilitating reporting specific places where car showed leaks at destination. One of these blanks should be sent with papers for each car with the request that it be properly filled out and returned in case of any signs of leakage. Printed on Goldenrod bond, size 5½x8½ inches, and put up in pads of 50 blanks. Order Form 5. Weight, 3 ounces. Price, 40c a pad; three for \$1.00. Prices f. o. b. Chicago.

GRAIN & FEED JOURNALS
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332 S. La Salle St., Chicago, Ill.

Wanted and For Sale

The rate for advertisements in this department is 25 cents per type line each insertion

ELEVATORS FOR SALE

TEN IOWA AND ILLINOIS Elevators for sale, will sell one or all. Priced for quick sale. O. A. Talbott, Keokuk, Iowa.

HOLTON, KANS.—15,000 bu. frame elevator fully equipped for sale for \$1,000. Immediate possession. J. E. Hayes, Receiver, Holton, Kans.

OHIO—12,000 bu. elevator for sale; in fine condition; feed grinder; general line of feed and coal; on private ground; along N. Y. C. R. R. Priced to sell. Box 312, Ashley, Ohio.

GRAIN ELEVATORS FOR SALE

One at Munden, Kansas, Rock Island. One at Cuba, Kansas, Burlington. Bargain and liberal terms. First National Bank, Fairbury, Neb.

NORTHERN ILLINOIS—Five elevators for sale, with lumber, coal and sidelines; will sell one or all. Low price for quick sale to close estate. Big crop. Holcomb-Dutton Lumber Company, Sycamore, Ill.

MINNESOTA cleaning and transfer elevator for sale; 130,000 bushels; three track scales; good cleaning machinery; electric power good condition. Excellent transit location; fine dairy territory. Bargain easy terms payment. Write 66B6, Grain & Feed Journals Consolidated, Chicago, Illinois.

CENTRAL ILLINOIS—30,000 bu. elevator for sale; best condition; truck dump; automatic scale; manlift; only elevator at station; nice 6-room bungalow and 5 lots for cow, hogs and chickens; chance to make \$8,000 annually. For price write 69P4, Grain & Feed Journals Consolidated, Chicago, Ill.

ILL.—50,000 bu. capacity—2 elevators for sale; everything good condition; truck dump, air lift; auto. scale; 5-room home; barn; several lots and coal shed; to settle estate; call for further particulars; can tell you what business has made for 10 yrs. Mrs. O. B. Wheeler, Admr., Long Point, Ill., Livingston Co.

SOUTH DAKOTA—35,000 bus. cribbed elevator for sale, on Milwaukee Ry. in southeastern S. D. Equipped with new 15-ton Howe truck scale, Strong-Scott air dump, manlift, grain cleaner, feed warehouse built adjoining and also 10x10x40 ft. corncrib. Property must be sold at once. Lars Olson Elvtr. Co., Gayville, S. D.

WESTERN SOUTH DAKOTA Elevator for sale; small elevator in good condition, new equipment, located at Sturgis, S. D., in heart of largest grain producing section of the Black Hills. Showed a good profit with \$45,000 total sales last year. Big crop coming on and should show a nice profit this coming year. McMahon Company, Rapid City, South Dakota.

BARGAIN IF TAKEN AT ONCE—Some one is always looking for an elevator at a good grain point and reads these ads just like you're doing now, so if you wish to dispose of your present property, enlarge your present interest, or embark in the grain business. USE these columns to your best advantage just as others are doing. WE WILL assist you in the composition of copy free. We are in business to be of service to YOU. There is no wrong time to put an ad in the columns of the Journal. TRY IT.

ELEVATORS FOR SALE

NEBRASKA—50,000 bu. elevator for sale; good crops. Address, 63R5 Grain & Feed Journals Consolidated, Chicago, Ill.

ELEVATOR FOR SALE OR RENT

NEBRASKA—Elevator and lumber yard in southern Jefferson Co., for sale or rent; on C. B. & Q., 6,000-bus. capacity. Only one in town. Address Mrs. J. Prebyl, Odell, Nebraska.

NO NEED FOR FORMALITIES—You don't need an introduction to Journal Want-Ads. They will help you without, whatever your problems may be.

ELEVATORS FOR LEASE

OKLAHOMA—Two Frisco elevators for lease; only elevators in towns; good corn crop—wheat—coal. Address 69Q3, Grain & Feed Journals Consolidated, Chicago, Ill.

On the other end of the Journal's "Wanted—For Sale" columns you will find 9,000 grain dealers anxious to know what you have for them.

ELEVATORS WANTED

IF YOU DO NOT find the elevator you want advertised, place your wants in the "Elevators Wanted" section and you will receive full particulars regarding many desirable properties not yet advertised.

FEED PLANT FOR SALE

CLEVELAND, OHIO—Feed plant for sale, on N. Y. C. R. R., formerly the Lake Shore Elevator; modern concrete house; complete mixing and grinding machinery. W. C. Seaman, 2520 Market Ave., Cleveland, Ohio.

Every penny invested in a Journal "Wanted—For Sale" ad returns an amazing per cent of profit.

MALT PLANT AND ELEVATOR

COLORADO MALT PLANT & ELEVATOR for sale. Capacity 125,000 bus. Fully equipped, ready to operate. Side tracks, kilns, steeping tanks, conveyors, steam heated. Light wines and beers a certainty. Good grain territory. Ready markets. Unusual profits and opportunity for farsighted business man. Colorado Malt & Barley Co., Longmont, Colorado.

ELEVATOR BROKERS

ALWAYS HAVE ELEVATORS for sale. To save time, please state amount you wish to invest and location you prefer. James M. Maguire, 6440 Minerva Ave., Chicago, Ill.

Some SERVICE to your ads. I sold my elevator to the first man that answered the ad. But I received a nice number of inquiries, too. Kansas Dealer.

SAMPLE ENVELOPES

SAMPLE ENVELOPES—SPEAR SAFETY—for mailing samples of grain, feed and seed. Made of heavy kraft paper, strong and durable; size 4½x7 inches. Have limited supply to sell at \$2.60 per hundred or in lots of 500, \$2.30 per hundred f. o. b. Chicago. Sample mailed on request. Grain & Feed Journals, 332 S. La Salle St., Chicago, Ill.

FLOUR MILL FOR SALE

OHIO—75-bbl. Flour Mill with Feed Department for sale; operating, good location, established trade; good reason for selling. Address Buckeye Milling Co., Mt. Gilead, Ohio.

BUSINESS OPPORTUNITIES

AUTOMATIC VENTILATING ELEVATOR. saves re-elevating of grain or feed; new invention; cheap construction. Write for particulars. Owen T. Dougherty, 2423 University Av., St. Paul, Minn.

NORTHERN ILLINOIS—Only lumber, coal, etc., yard in village; staple stock, steady income, small value buildings; low price close estate. Cash. Grain elevator available for rental. Holcomb-Dutton Lbr. Co., Sycamore, Ill.

NORTHWESTERN OHIO—Grain, Feed & Coal. Elevator and entire equipment thoroughly modern. Doing \$50,000 per year business. Priced exceptionally low for quick sale. Great Lakes Brokers, 615 Gardner Bldg., Toledo, Ohio.

WHATEVER your business may be, it will find a ready market if advertised in the "Business Opportunities" columns of GRAIN & FEED JOURNALS, Chicago. 9,800 grain men look to these columns twice each month for real opportunities.

Bargain Sale in Soiled and Shelf Worn Books

Record of Receipts.—We have a small stock of these Price Current Grain Reporter form 83 which we are selling out at bargain prices. They are good grain receiving records, size 15½x10½ ins., 150 pages, linen ledger paper, well bound, with cols. for "Date, Driver, Gross, Tare, Net, Bus., Price, Kind, Seller, Amount," in the order named. Priced at only \$2.50, as is.

Memo of Agreement.—Grain contracts for contracting grain and seed from farmers; is extensively used by grain dealers to avoid taking chances with verbal contracts. Originals are printed on bond paper, machine perforated so they may be easily removed; duplicates are also on bond paper. Check bound, 50 sets to a book with two pieces of carbon paper. Order by name, special price 75 cents to close out.

Feed Trade Manual, a reference book for all engaged in the custom grinding and mixing of feeds. Contains hundreds of formulas for all kinds of feed for any section of the country. Data about state feed laws, feedingstuff definitions, weights, ingredient composition and useful facts for the feed industry are also included and indexed. One soiled shelfworn copy, \$1.00 plus postage. Order Feed Manual Special.

Improved Railroad Claim Blanks require little of your time for filing, and contain spaces for all the necessary information in the order which assures prompt attention on the part of the claim agent. They increase and hasten your returns by helping you to prove your claims and by helping the claim agent to justify payment. Are printed on bond paper, bound in books, each containing 100 originals and 100 duplicates, with two-page index, instructions and summary, with four sheets of carbon. The original is sent to the claim agent, and carbon copy remains in the book, as a record of your claim. Sells for \$2. Have few loosely bound and soiled, one at \$1, four at \$1.25 and two at \$1.50. Order 411-E (overcharge in freight or weight) "Special."

All prices are f. o. b. Chicago.

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332 South LaSalle St. Chicago, Ill.

SITUATION WANTED

WANT POSITION as mgr. or foreman of elevtr. or feed mill; 20 yr. exper. in grain, feed, coal, all sidelines; will go anywhere; available at once. Write 69S2, Grain & Feed Journals, Chicago.

SOLD OUT OF POSITION—15 yrs. exper. handling grain and sidelines; A1 bookkeeper; can give bond and A1 ref.; will go anywhere on short notice. S. G. Mahaffey, Norton, Kans.

EXPERIENCED MANAGER for grain elevator, 10 yrs. exper. in grain and its sidelines; 5 yrs. in country elevator; best of refs.; Kans. preferred but go anywhere; available at once. Address 69R1 Grain & Feed Journals, Chicago.

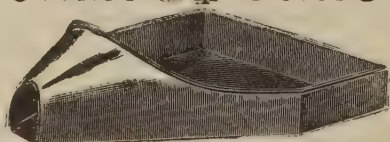
HELP WANTED**EXPERIENCED MAN WANTED**

In handling elevator machinery and corn. Write 69S5, Grain & Feed Journals, Chicago, Ill.

COMPETENT AND EXPERIENCED elevator managers, foremen, bookkeepers, auditors, second men and solicitors can easily and quickly be found through an ad in the "Help Wanted" column of the Grain and Feed Journals, Consolidated, Chicago, Ill.

FIELD AND GRASS SEED FOR SALE

WHEN YOU want field or grass seed, write us, and we will put you in communication with nearby dealers, who have what you seek. The service is free. Information Buro, Grain & Feed Journals, 332 S. La Salle St., Chicago, Ill.

SAMPLE PANS

Made of sheet aluminum, formed by bending, reinforced around top edge with copper wire. Strong, light, durable. The dull, non-reflecting surface of the metal will not rust or tarnish; assists users to judge of the color and to detect impurities.

Grain Size, $2\frac{1}{2} \times 12 \times 16\frac{1}{2}$ ", \$2.00 at Chicago.
Seed Size, $1\frac{1}{2} \times 9 \times 11$ ", \$1.65 at Chicago.

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MOTORS FOR SALE**ELECTRICAL MACHINERY**

Large stock of motors and generators, A. C. and D. C., new and rebuilt, at attractive prices. Special bargains in hammermill motors 30 to 60 h.p., 1200 and 1800 r.p.m. Write for stock list and prices. Expert repair service. V. M. Nussbaum & Company, Fort Wayne, Ind.

DYNAMOS AND MOTORS WANTED

Buyers and this equipment are reached in largest numbers and at the least expense through the use of the "DYNAMO-MOTORS" columns of Grain & Feed Journals—the medium for power bargains.

SCALES WANTED

A 6 OR 8 BUSHEL Richardson Receiving Scale Wanted with residue weigher—also stand three high rolls. Kasco Mills, Inc., Toledo, Ohio.

WANT ADS WORK WONDERS

They sell elevators, find help and partners, secure machines and engines which you want, sell those for which you have no further use, and perform a myriad of kindred services for shrewd people who use them regularly. READ and USE THEM.

OFFICE SUPPLIES

TODD PROCTOGRAPH for sale, in good condition. Will sell for \$7.00 prepaid, cash with order. F. J. Aikenhead, Room 900, 332 S. La Salle St., Chicago, Ill.

SCALES FOR SALE

SECOND HAND scales for sale of any make, size or price, always find ready buyers when represented in the "Scales for Sale" columns of GRAIN & FEED JOURNALS Consolidated.

Hedging by Dealing in Grain Futures

By G. Wright Hoffman, Ph.D.

A subject of much interest to all handlers of grain; not a fragmentary discussion but a presentation of the subject in a comprehensive and scientific manner.

This book, bound in cloth, 141 pages, includes, besides an extensive bibliography, chapters on: The Development of Futures Trading and the Practice of Hedging; The Theory of Hedging; Limitations Affecting Hedging; The Extent of Hedging; Extension of the Principle of Hedging.

This is a valuable book and will be worth to you many times its cost.

Price \$2.00 f. o. b. Chicago

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332 So. La Salle St., Chicago

A consolidation of Grain Dealers Journal, American Elevator & Grain Trade, Grain World and Price Current-Grain Reporter.

Gentlemen:—In order to keep us posted regarding what is going on in the grain and feed trades outside our office, please send us the *Grain & Feed Journals* twice each month. Enclosed find Two Dollars for one year.

Name of Firm.....

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The Federal Octopus

By Sterling E. Edmunds

A survey of the destruction of Constitutional Government and of civil and economic liberty in the United States and the rise of an all-embracing bureaucratic despotism.

Mr. Edmunds says:

"In the place of our peculiar dual system of free government, founded by the fathers to restore their newly-won liberty to them and to their posterity forever—with the federal government bound down by the 'chains' of the Constitution, and the people in their states retaining in themselves all other powers, and governing themselves as autonomous members of the Union in all domestic concerns—we observe that, through three decades of progressive usurpation, the 'chains' of the Constitution have been broken and the powers of the federal government have become practically absolute; that, like a giant octopus at Washington, it has wormed its numberless tentacles around every city and every county, around every hamlet and every home in the land, crushing out civil liberty and self-government, and through the taxing suckers of its ugly prototype, draining the life from all property, from all trade and from all industry."

This volume is a scholarly and intelligibly presented history of the violent change which has taken place in our government, of which every tax-paying and every thinking citizen should inform himself.

Book is paper bound, 122 pages, \$1.00 per copy plus postage.

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332 S. La Salle Street Chicago, Ill.

Railroad Claim Books

require little of your time for filing, and contain spaces for all the necessary information in the order which assure prompt attention on the part of the claim agent. They increase and hasten your return by helping you to prove your claims and by helping the claim agent to justify payment.

- A is for Loss of Weight in Transit Claims.
- B—Loss in Market Value Due to Delay in Transit.
- C—Loss in Quality Due to Delay in Transit.
- D—Loss in Market Value Due to Delay in Furnishing Cars.
- E—Overcharge in Freight or Weight.

These claim blanks are printed on bond paper, bound in book form, each book containing 100 originals and 100 duplicates, a two-page index, instructions and summary showing just which claims have not been paid, and four sheets of carbon.

The five forms are well bound in three books, as follows:

- 411-A contains 100 sets all Form A. Price, \$2.00. Weight 3 lbs.
- 411-E contains 100 sets all Form E. Price, \$2.00.
- 411-5 contains 60 sets Form A, 10 Form B, 10 Form C, 10 Form D and 10 Form E. Price, \$2.00.

Grain & Feed Journals

CONSOLIDATED

332 South La Salle St. Chicago, Ill.

Shannon Hearing at New Orleans

J. B. Shannon, of Missouri, chairman, and E. E. Cox, of Georgia, vice chairman, took testimony Aug. 29 and 30 at New Orleans, on government in business.

LAWRENCE WESTBROOK, Waco, Tex., who resigned as a director of the Cotton Co-operative, said he believed co-operative marketing the "salvation" of the farmer, but the Texas farmers are "disgusted with the farm board."

RUSSELL CLARK, pres. of the New Orleans Cotton Exchange, sharply criticized the American Cotton Co-operative for commodity market speculation. He said its attempt to stabilize cotton prices was a "series of the most gigantic speculations ever attempted in the cotton industry."

"Such uneconomic, strong-armed methods, absolutely at variance with the law of supply and demand," he added, "were doomed in advance to failure."

"The government's entry into the cotton business," he said, "has driven out hundreds of cotton merchants. These handled and distributed cotton as efficiently as the co-operative ass'ns and, it is claimed, at lower cost. The ass'n advanced farmers 90 per cent of the value of the cotton, let them have the profit if the market advanced, and absorbed the losses if the market declined. How can private business compete against such a system?"

N. S. VON PHUL, pres. of the Scobey Fireproof Storage Co. of San Antonio, Tex., said the Farm Board had loaned \$180,000 to the Poultry Producers Ass'n of San Antonio in September, 1930, to buy an "obsolete cold storage plant worth no more than \$125,000," when there were ample private facilities in San Antonio. He said the membership rolls of the Ass'n had been padded to get the loan and that the Ass'n had to borrow money to pay interest on its loan.

W. H. HOFFMAN, for J. T. Gibbons, Inc., complained that grain shippers cannot get cargo space on the federal barge line unless they make the arrangement with the Farmers' National Grain Corporation. An independent broker is turned down but the same cargo offering through the Farmers' National gets immediate confirmation.

From Abroad

France decided Aug. 26 to buy a year's wheat supply for the army direct from farmers in an effort to raise prices.

Roumania's wheat crop is officially estimated at 73,600,000 bus., against 135,000,000 last year.

France is offering growers of wheat loans for storage. The Chartered Agricultural Syndicate is advancing farmers \$1.10 per bushel to hold wheat.

Germany has revised the milling quotas to permit members of the consortium to grind 30 per cent of foreign grain, while non-members must grind 97% domestic wheat.

Russia recently has sentenced to death a score of peasants charged with hiding grain, stealing crops, wrecking threshing machines and setting fire to grain stores to prevent their shipment to the state elevators.

Germany has added grain sorghums to the corn import monopoly. The monopoly price for corn was raised early in July from R. M. 140 per ton for Danubian and R. M. 155 per ton for Plate corn (\$0.85 and \$0.94 per bushel respectively) to R. M. 180 and R. M. 195 per ton (\$1.09 and \$1.18 per bushel respectively).

Thefts from collective farms are now classified as capital offenses in Russia, and a woman recently was sentenced to death for stealing grain from a farm owned by her husband before it was confiscated by the government to be operated collectively.

MACHINES FOR SALE

AIR BLAST CAR LOADER. Guaranteed. A real buy. Write for particulars. Standard Mill Supply Company, 1307 Waldheim Bldg., Kansas City, Missouri.

WRECKING FLOUR MILL—Hangers, shafting, pulleys, 5-ton wagon scale, hopper and platform scales, corn sheller and grain cleaner for sale. S. F. Carlson, Lehigh, Iowa.

3-IN-1 EUREKA FEED MIXER for sale, No. 369X; capacity 1 ton; also a No. O Corn Cutter and Grader; a 20" Bauer single disc belt driven attrition mill; and a Boggs Potato Sorter. Will sell at very reasonable price. 69N12, Grain & Feed Journals, Chicago, Ill.

COMPLETE FLOUR MILL MACHINERY for sale, consisting of 4 double stand roller mills 9x4 rollers; Robinson plansifter; bran duster; centrifugal reel; 15 elevators; grain cleaners; automatic scale; purifier; 3 pair high rollers; 3 round reels; 35-hp. electric motor; 50-hp. Morse gas engine. All machinery in excellent condition, as it has hardly been used. Antioch Milling Co., Antioch, Ill.

ATTRITION & HAMMER FEED MILLS

- 1-20" Monarch with 15-hp. motor.
 - 1-24" Monarch with 25-hp. motor.
 - 1-26" Monarch with 30-hp. motor.
 - 1-32" Diamond with 40-hp. motor.
 - 1-No. 4 Standard J. B. with 50-hp. motor direct connected.
 - 1-No. 3 Standard J. B. with 40-hp. Texrope drive.
 - 1-No. 2 Gruendler with 30-hp. motor Texrope drive.
 - 1-Papee Hammer Mill complete, nearly new.
- D. B. McLaughlin,
Box 95, Winona, Minnesota.

MACHINES FOR SALE

ROSCOE AJAX—Large Size Oat Huller; late model complete with Westinghouse 10-h.p. 3-phase motor, starter and texrope drive, priced right for quick sale. Box 159, Cumberland, Ia

GRAIN SCALES. Richardson, Fairbanks. Smith Exact Weight Scales. Car Pullers. Three pair high Feed Mills. Driers. Attrition Mills, Bag Closing Machines. Pulleys, Shafting, Hangers, Belting. Standard Mill Supply Co., Waldheim Bldg., Kansas City, Mo.

MILL EQUIPMENT For Sale including Anglo-American Hammer Mill and New Rosco Huller and all Modern Equipment. Will sell with building or lease building to purchaser of mill equipment. Enjoying good business but must sell to close estate. Write Marjorie Barney, Adair, Ia.

SELL YOUR SECOND HAND Machines Now—tomorrow they will not be worth as much as they are today. A shiny machine which has just been in operation sells quicker and brings a bigger price than a dirty, rusty one.

MACHINES WANTED

WANTED—Grain Dealers who are contemplating installing new machinery to use the "Machines Wanted" columns of GRAIN & FEED JOURNALS in securing prices and estimate of machines for sale. We can save you money. More than value received.

SHEET METAL WORK

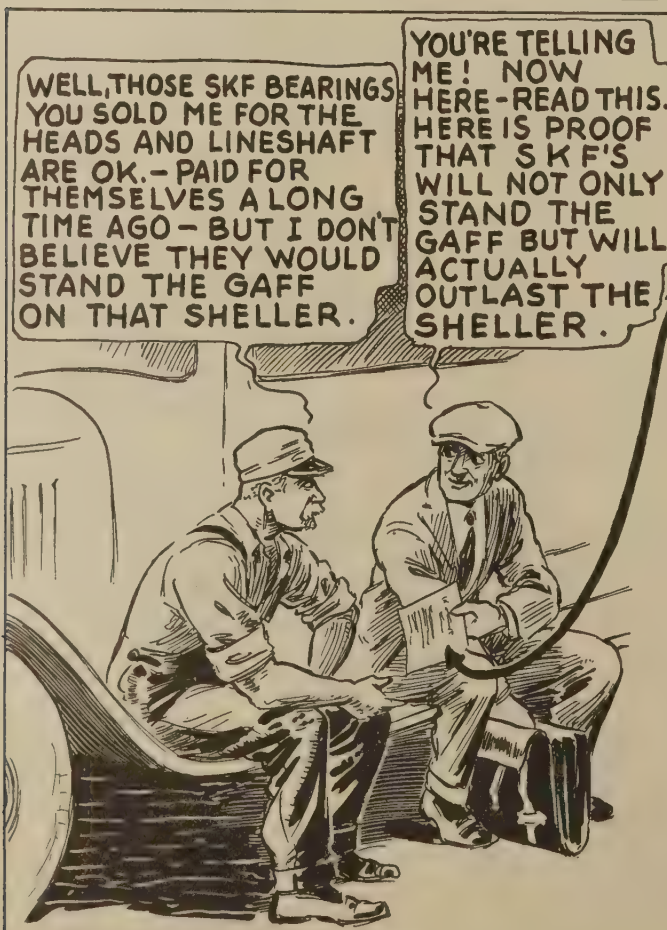
SPECIAL SHEET METAL WORK

We make a specialty of Metal Spouts, Valves, Grain Bins, Liquid Tanks. All kinds of Metal Work for Feed and Flour Mills. Loading Spouts for grain elevators, etc. High-class work guaranteed. Let us know your needs. Kam Kleber Co., 430 Pratt St., Buffalo, N. Y.

Buying a Dead Horse



From Nashville Tennessean



OBER W. LIVERGOOD, MANAGER

NIANTIC FARMERS GRAIN CO.

NIANTIC, ILLINOIS

June 6, 1932.

SKF Industries, Inc.,
1242 West Washington Blvd.,
Chicago, Illinois.

Gentlemen:

A representative of your distributor, The Field & Shorb Co., Decatur, Illinois, called on us regarding SKF Bearings, and asked if the bearings which we installed on our Western Corn Sheller, November 1, 1926, were still in good condition. We advised him that we have had these bearings on three different corn shellers. In other words, the bearings have lasted through the grinding of 750,000 bushels of corn, or two entire machines have been worn out, and the bearings were still good enough to put on the third sheller.

We certainly would recommend SKF Bearings, not only on corn shellers but for the entire elevator.

Yours very truly,

NIANTIC FARMERS GRAIN CO.

By: Ober W. Livergood,
Manager.

SKF

BALL AND ROLLER BEARINGS

SKF INDUSTRIES, INC., 40 E. 34th St., New York

GRAIN & FEED JOURNALS CONSOLIDATED

INCORPORATED

332 S. LaSalle St., Chicago, Ill., U.S.A.

Charles S. Clark, Manager

A merger of

GRAIN DEALERS JOURNAL

Established 1898

AMERICAN ELEVATOR & GRAIN TRADE

Established 1882

THE GRAIN WORLD

Established 1928

PRICE CURRENT-GRAIN REPORTER

Established 1844

Published on the second and fourth Wednesdays of each month in the interests of better business methods for progressive wholesale dealers in grain, feed and field seeds. It is the champion of improved mechanical equipment for facilitating and expediting the handling, grinding and improvement of grain, feeds and seeds.

SUBSCRIPTION RATES to United States and countries within the 8th Postal Zone, semi-monthly, one year, cash with order, \$2.00; single copy, 25c.

To Canada and Foreign Countries, prepaid, one year, \$3.00.

THE ADVERTISING value of the Grain and Feed Journals Consolidated as a medium for reaching progressive grain, feed and field seed dealers and elevator operators is unquestioned. The character and number of firms advertising in each number tell of its worth.

Advertisements of meritorious grain elevator and feed grinding machinery and of responsible firms who seek to serve grain, feed and field seed dealers are solicited. We will not knowingly permit our pages to be used by irresponsible firms for advertising a fake or a swindle.

LETTERS on subjects of interest to those engaged in the grain, feed and field seed trades, news items, reports on crops, grain movements, new grain firms, new grain elevators, contemplated improvements, grain receipts, shipments, and cars leaking grain in transit, are always welcome. Let us hear from you.

QUERIES for grain trade information not found in the Journal are invited. The service is free.

CHICAGO, SEPTEMBER 14, 1932

GOOD ACCOUNTING systems help the grain dealer to locate the leaks and to make sure which of his activities are profitable.

WITH POSTAGE increased to 3 cents there is more reason than ever for terminal market receivers and buyers to check up their mailing lists with the business changes reported in our news columns.

OVERBIDDING for grain temporarily increases volume at the expense of a competitor, but such trade is dearly bought, as it reduces the overbidder's working capital that might be better employed if invested in facilities that reduce the cost of handling thru the elevator.

TRACK SCALE weights on grain may aid in checking up on excessive shortages; but are not sufficiently accurate in calculating the value of the load in dollars and cents. Even the best of track scales are affected by snow, ice and rain. Every shipper having good hopper scales of his own, frequently tested, should insist on his own weights in settlement when there is reason to suspect destination weights, that may not be disinterestedly supervised.

THE UNREASONABLE tax on grain futures assessed by the Federal Government is paid by the grain producers at a time when they are sorely in need of encouragement and are not in position to pay unreasonable taxation.

IT IS SIGNIFICANT that the present improvement in trade began just after the Congress adjourned, as soon as businessmen were granted a respite from fear. This freedom to go ahead and promote business will continue until the Congress reassembles in December; and let us hope the bull market will have gained such momentum by that time that it will ignore the bearish factors associated with Washington legislation.

THE WINNER in the Democratic primary for Congressman at large from Texas stood for the repeal of the Agricultural Marketing Act and the abolition of the Federal Farm Board, and believers in good government who had almost lost faith in the intelligence of the voters are gratified to learn that this platform got him the tremendous majority of 153,000 votes. Let us hope that our misrepresentatives in Congress will take notice.

AN OWNER who contemplates building a cheap elevator to save in the cost of construction by adopting some novel ideas of his own makes a mistake in hiring a barn builder to prepare the design. The professional architect's services may appear to cost more but his knowledge of stresses in bins and strength of materials will accomplish the owner's fool idea without danger that the house will fall down with the first filling of the bins.

ALERT grain handlers will not be slow to take advantage of the present premiums on the distant wheat futures as compared with the cash grain. Corn and oats offer the same opportunity to fill any storage that may be available with grain and to sell the May delivery against the grain in store. Just a year ago September and May corn were selling at the same price. Now the May is at 8 cents per bushel premium, and most of the 8 cents are profit to the country shipper having cheap storage.

A PUBLIC elevator rate of $\frac{1}{4}$ c for transfer at Oswego, against a charge of 1c per bushel at Buffalo thru privately owned houses means that taxpayers of New York State are paying $\frac{3}{4}$ of the cost of transferring grain from ship to car or canalboat, when the grain comes from some Western state and goes to some European port and in neither of which points of origin or destination are the taxpayers of New York interested. Why should the grain elevator operators of Buffalo be taxed to furnish competition against them in business?

BUREAUS at Washington in compliance with the Economy Act approved June 30 are asking recipients of various government publications to pay for the reports that have hitherto been mailed free of charge. As a result it is to be expected most of the recipients will refuse to pay because the reports are of no value to them. This should point the way to a still greater saving by abolishing the bureaus in which the public has evinced its lack of interest by refusing to subscribe for their self-serving literature.

LEAVING a fair margin when making draft against shipment saves a little of the interest charge, pleases the receiver and encourages the buyer to continue bidding his best price.

EVERY government activity, restriction or regulation which increases the cost of marketing farm products drives buyers out of those markets and decreases the net returns to the producers.

SOME OF the U. S. Senators running for re-election might dispel a world of suspicion by explaining exactly why the Senatorial investigation of the U. S. Farm Board has been pigeon-holed.

CORN BELT grain shippers can look forward to a good business with the larger crop and the fact that there is back on the farm 330,000,000 bus. of old corn against 168,000,000 a year ago.

FUMIGATION with hydrocyanic acid gas must be surrounded with all precautions to avoid loss of life. The death of an entomologist in the employ of the Department of Agriculture while fumigating with cyanide emphasizes the need of care by experts as well as the unscientific.

CRACKED WHEAT coming from the few Farm Board blowers installed at Illinois stations ought to be discounted by buyers in the terminal markets when detected in the sample. Buyers direct knowing they are dealing with an inefficient outfit and expecting inferior grain will shade their daily bids accordingly.

PERMITTING dust to pile up under the head pulley of the receiving conveyor belt in cupola of a Dodge City elevator recently resulted in the ignition of the dust by friction and the scorching of the belt so that a section of it must be renewed. As this dust fire smoldered throughout the night until the workmen returned the following morning, it is easy to discern the result had the storage tanks been built of wood instead of concrete.

DRAFTS against shipments that are routed circuitously by the collecting banks may be delayed sufficiently to run up demurrage while the receiver at destination is waiting for the documents. Another reason for requesting the banker to route the papers directly is that some grain shippers have reported that their collections have been tied up in banks that failed during an unnecessary delay. The greater the number of banks involved in the transaction the greater the opportunity for loss.

THE COST of the Canadian Pool to Canadian wheat growers has not yet been determined, but most of the growers have learned that the Pool's control of prices is a wild fallacy. Most of the growers now know that they were assessed heavily to build many unneeded elevators and many foreign buyers of Canadian wheat used substitutes rather than submit to the attempted extortion by the Pool and the Farm Board. The guarantee of the Pool loans from banks by the Prairie Provinces must also be paid by the tax payers. Some day our politicians may learn that it is not the proper province of government to attempt to direct or to engage in commerce of any character. Whenever governments have attempted it, the venture has proved most disastrous.

PROFITING by the experience of your brother dealers as reported in your trade journal is wiser than falling into the pitfalls they have exposed.

THE OKLAHOMA pool member who got 17 cents for his wheat as reported elsewhere when the regular dealers were paying 38 cents now has a correct slant on organization so persistently touted by the Washington bureaucrats.

ACTION of the cotton market since the Farm Board statement of Sept. 6 that was intended to be reassuring to holders evidently has had the opposite effect, as the price has fallen to the loss of cotton producers. Altho the Farm Board statement on wheat was bullish that product also has since had a reaction. The only remedy seems to be to abolish the Farm Board so that it will have no interest in the markets and no occasion to publish forecasts that have always proved destructive to values of farm products.

The Grain Trade Will Advance F-o-r-w-a-r-d March!

The business world generally recognizes that to sit around on one's nest perpetually is not conducive to better business. One may profit by reading and get many new ideas that will prove perpetually profitable, but dealers in the grain and feed trade who mix frequently with their fellows are forced to take a wider vision of both the present and the future. Every observing, thoughtful dealer who associates with other progressive dealers in his own line and discusses common problems derives an enthusiastic stimulation for progressive leadership, as well as many helpful ideas for the profitable promotion of his own business. Inaction which is often the direct result of isolation has strangled more business institutions, in spite of the splendid opportunities right at their door, than has ever been reported.

The wheat and cotton growers of the land have suffered so severely from the bungling methods of the Federal Farm Board that all growers who recognize the depressing influence of the government's domination of their markets are now demanding complete release from all bureaucratic interference, and it's up to the country merchants of the land to point out the most effective way for the farmers to attain the much needed relief. Every merchant is directly interested in growers getting profitable prices for their products because it increases their buying power.

The world's markets for our surplus commodities must be relieved from the destructive influence of the agitators and the bureaucrats, for only through free and untrammelled markets will the producers obtain the highest average price for their various products.

The attempt of the Canadian Wheat Pool and the Federal Farm Board to hold up prices has raised many barriers in Europe against North American wheat that can be broken down only thru the free functioning of the law of supply and demand. Dealers who serve their customer's interest best will profit most, and the dealers who are really interested in the welfare of their farmer patrons will be found at French Lick, Sept. 19-21.

Holding for Higher Prices

Over a long period of years the grain grower who sells immediately after harvest realizes more for his crops than the farmer who stores and holds. The statistics prove it. Therefore, as a rule the grain dealer should not encourage his farmer patrons to hold grain.

There are times, however, when holding grain for a rise is profitable, and it is possible that at some time in 1933 grain prices will be higher than in 1932. Dwindling stocks of wheat controlled by the government have deprived the Farm Board of some of its depressing influence. Relieved of this pressure prices of wheat should rebound upward.

A factor making for higher prices is inflation thru vast sums of money injected into commerce by the Reconstruction Finance Corporation. The laws governing issuance of notes by banks on the security of bonds have been liberalized. The per capita consumption of wheat increases in hard times, and the Red Cross has made wheat flour available in quantity to millions of families of the unemployed.

Altho nine times out of ten the grain dealer who advises his farmer friends against holding wheat is giving the best advice this year may be one of those in which it is wisest to be non-committal.

Drawers of Drafts Can Protect Proceeds from Bank Receiver

MORE and more of the courts are coming to consider the proceeds of a draft a trust fund when the collecting bank has been instructed not to commingle the collection with other funds of the bank. In the July 13th number of the Journal we published a review of a convincing decision of the Court of Appeals of New York upholding this contention.

Many courts have held that B/L drafts collected by defunct banks were not entitled to be considered a preferred claim except when the funds collected augmented the assets of the collecting bank. However, bank receivers as a rule strive to grab everything in sight and ignore the rights of preferred claims and trust funds whenever possible.

The recent decision of the U. S. Circuit Court of Appeals in a case which originated in Florida raises another bar to the grab-all practices of the receivers of defunct banks and encourages drawers of drafts through distant banks to attach notice thereto that, "Funds collected are not to be treated as a deposit, but are to be remitted to the drawer of the draft." The court in the Florida case held that the drawer of the draft had a preferred claim and upheld this decision with the following reasoning:

"The allegations of this bill plainly present facts which show that the bank received money of plaintiff for a special purpose, to wit, to remit it, to which it was bound to apply it; that it has not so applied it, and that it still has the money. Under such circumstances, equity charges a trust upon the funds in the hands of the receiver."

Evidently the drawer of drafts is to be permitted to avoid being treated as a depositor if he so chooses, hence all will take the precaution of attaching notice to draft or stamping upon it notice to collecting bank that it is for collection and remittance, NOT for deposit.

"Scab," the Grower's Loss

Inspectors placing the notation "scabby" on the certificates of grade for barley have been sharply criticized by grain receivers in the central markets who have had to inform their shippers in the country that the notation forced the sale of the shipment at a discount of 8c per bushel.

In their anxiety to protect the foreigner from diseased barley the inspectors are accused of tagging as scabby many lots of grain that are merely damaged and not actually scabby. Shippers who have consigned two cars of grain out of the same bin, one carload getting by the inspectors as No. 2 and selling at full price, while the other was given the "scabby" stigma at a loss to shipper of \$50 to \$100 on the car are very much exercised.

The remedy is greater care to secure uniformity in grading by the federally licensed inspectors. Inspectors should be schooled to differentiate between scab and damage and to recognize the fact that scab sometimes is so slight as not to affect the commercial value of the grain.

The country buyer himself is in better position to recognize the scab because all his grain comes from his immediate territory and he should know the tracts of land producing scabby barley in this year's crop. The country buyer should exert himself to "reflect back to the producer" the benefits of grading as expounded again and again by the marketing experts of the Department of Agriculture advocating refinements in grading. Only the "reflection back to the producer" in this instance means paying him 6 to 8 cents less per bushel for his barley.

Unless the inspectors rigidly grade down every carload of badly infected barley, buyers by grade will discount the entire crop and growers of sound barley will be penalized unfairly. Justice to all, demands that the producer of the scabby barley stand the loss. His shiftless sowing of barley on poorly plowed corn land primarily is responsible for the development of scab during continued wet weather following the heading period. The parasite lives over winter on the old corn stalks and grain straw left on the surface of the field, and which the careless grower neglects to cover over well in plowing to prevent the recurrence of the disease.

WHEAT buyers in the central states are cautioned to discount wheat containing cockle and rye appearing in the present crop in excessive quantities. Such winter wheat will be graded down by the inspectors; and terminal elevator men can not separate these mixtures with the ordinary cleaning machinery.

EASTERN DISTRIBUTORS of feed doing a wholesale business must find some way of classifying customers to prevent consumers going around the retailers. In the past it was a sufficient protection to recognize all carload buyers as entitled to the wholesale price, but now that so many orders are being received from both feeders and retailers for l. c. l. shipment by truck the size of the order is not the correct criterion. If it be admitted that the retailer is performing a service he should be protected by a trade discount.

Farm Board's Forced Exit

It was thru no exercise of sound judgment that the Federal Farm Board decided practically to retire from the wheat market as announced Sept. 5. Since its creation this ill-starred Board has persistently bungled. Its various forecasts that the price of wheat would advance have been wrong in every instance.

The withdrawal of the Farm Board from market activities came about thru financial embarrassment. Its \$500,000,000 revolving fund had ceased to revolve. The failure of the Board to accomplish any of the desired results was ground for the abolition of the Board, but the Congress instead of courageously applying the knife at the root took the cowardly method of hamstringing the Board by denying it more of the taxpayers money.

With characteristic poor judgment the Board thru its Stabilization Corporation retains a large amount of wheat futures. The decision to sell the cash wheat and buy the futures was evidently dictated by necessity. Hard pressed for funds the Board found it easier to finance the futures than the cash grain. To what extent the Board has increased its futures holding while decreasing its cash grain stocks remains a state secret. The announcement of Sept. 5 was intended by the administration to bull the market by alleging its holdings had been whittled down to 3,000,000 bus. Admission that it was still holding an immense line of futures would have exerted a bearish influence and was suppressed.

Holdings of futures by the Farm Board are not large enough to influence the market favorably for the farmer. The future trading account is large enough to make the United States government, thru the Board and the Stabilization Corporation, the largest speculator on the Board of Trade. With the incentive of private gain absent from the management of the speculative pool its operations can only result in net loss to the taxpayers, whose interests and those of the farmers would be best served by abolishing the Farm Board and repealing the Agricultural Marketing Act.

CONGRESSMAN SHANNON, who is investigating government competition with private enterprise, has discovered that the activities of the government's subsidiaries in the grain and cotton markets has just about wrecked the markets and ruined the producers.

Letters from the Trade

[The grain dealers' forum for the discussion of grain trade problems, practices and needed reforms or improvements. When you have anything to say of interest to members of the grain trade, send it to the Journals for publication.]

Candidate Bailey Against Farm Board

Grain & Feed Journals: Joseph Weldon Bailey, Jr., of Dallas, Tex., was nominated in recent Democratic primary for congressman-at-large by the tremendous majority of approximately 153,000 votes.

Mr. Bailey was one of the first, if not the very first candidate in Texas, to advocate the repeal of the Agricultural Marketing Act, and to abolish the Farm Board. He is an able and capable lawyer; a brilliant and forceful speaker; and is highly qualified to serve his state and nation in the national congress by both heritage and training.

In my opinion, this is the ideal time to get rid of the Farm Board; and if it is not done at next session of Congress, we will likely have the Farm Board fastened on our necks for all time to come.—Spencer Taylor, pres. Taylor Grain Co., Van Alstyne, Tex.

Trucks Go Around Feed Dealer

Grain & Feed Journals: Many dealers will tell you they formerly were able to turn over a car of feed in a short while, and complain that they cannot do so today, they will mention by name former customers, both smaller dealers and also feeders who were unable to handle car lots, and depended on them for their needs and a little investigation shows that all these former customers are still L. C. L. buyers, but buying direct at the same price and having it delivered by truck.

So long as the trade encourages buying direct in L. C. L. lots there is nothing to prevent the feeder from doing so, also the dealer no longer has the advantage he formerly had in the saving of freight charges between C. L. and L. C. L. lots, which frequently represented his profit and he is consequently no longer able to quote sufficiently attractive prices to hold this trade and must be content to serve only the small feeder who buys in small quantities.

It does not so seriously affect the trade in the West where distances are greater, however, here in the East it has become a serious problem to the legitimate feed dealer.—F. S. Wertz & Son, Paul B. Wertz, sec'y, Reading, Pa.

Barter of 2,500,000 bus. or more of wheat owned by the United States Government for 40,000 tons of nitrate from Chile is opposed by Francis P. Garvan, pres. of the Chemical Foundation, as destructive to the American sodium nitrate industry.

Death of V. L. Nigh

Virgil L. Nigh, chief grain inspector at Fort Worth, Tex., passed away Aug. 18. Born at Olney, Ill., he began as a helper in the state grain inspection department at Chicago, Ill., in 1892, being promoted to inspector two years later. For three years he conducted a private grain sampling business, after which he went to Cairo, Ill., to manage the large grain elevator of Carrington, Hannah & Co.

Mr. Nigh next became chief grain inspector at Cleveland, O., resigning after four years to become general superintendent of the terminal elevators of the Cleveland Grain Co., with which company he was identified for 12 years.

The federal grain supervision then employed him as supervisor at Baltimore, Md. Resigning he traveled the grain regions of South America and on his return took charge of the grain inspection department of the Forth Worth Grain & Cotton Exchange, where he has served with entire satisfaction to the trade for the last eight years.

Fumigation with cyanide gas caused the death of Geo. W. Ellington, U. S. Dept. of Agriculture entomologist, recently at Tacoma Park, Md.

At least 40c of every tax dollar collected in the United States is wasted.—Pres. of the National Ass'n of State Auditors, Comptrollers and Treasurers.



V. L. Nigh, Ft. Worth, Tex., Deceased

The Abounding Life

No one has success until he has the abounding life. This is made up of many-fold activity of energy, enthusiasm and gladness. It is to spring to meet the day with a thrill at being alive. It is to go forth to meet the morning in an ecstasy of joy. It is to realize the oneness of humanity in true spiritual sympathy.—Lillian Whiting.

Asked—Answered

[Readers who fail to find trade information desired should send query for free publication here. The experience of your brother dealers is worth consulting. Replies to queries are solicited.]

Thresher's Lien?

Grain & Feed Journals: I have noticed many answers in the Asked Answered column which I consider of doubtful legality.

In the case of the Wakefield Grain Co., page 160 of Aug. 24 number, it stated that if the rent in shares has been paid the landlord will have to proceed as an ordinary creditor. I submit that if the "various things" mentioned are a part of the lease and to be performed under the lease the landlord's lien is effective for the \$50.

Repeatedly you have placed the thresher and sheller lien before the landlord's lien law when the law in Illinois clearly places the landlord's lien first, ahead of all liens so far as the tenant or anyone claiming thru him is concerned. The thresher, sheller or baler lien does not attach until the work has been done. Also, if I am correctly informed, the thresherman does not have to bring suit.—Geo. Wood, Dillsburg, Ill.

Ans.: The "various things" in connection with the operation of the farm, it was understood, were not specified in the lease, but were outside of the relation of landlord and tenant. If the "various things" were included in the lease or the landlord and tenant relation the lien would cover the \$50, as stated by Mr. Wood.

As to the priority of liens in Illinois, it has been stated again and again in this column that the Illinois courts have given no decision on this point. Until a decision is given it is a matter of opinion whether the thresherman gets his money when there is not enough for both the landlord and the thresherman. Before the lien law for the benefit of the thresherman was enacted the thresher had to look to the tenant for his pay, and as stated by Mr. Wood the landlord's lien came first so far as the tenant, or anyone claiming thru him is concerned.

The Supreme Court of Oregon in Hooper v. Carlson, 293 Pacific 410, said that under Oregon law, section 10230, person harvesting or threshing grain has a lien with priority over all others, except liens for labor.

The Rocky Mountain Elevator Co. in Montana paid a thresherman who had not filed a lien, and a farm machinery company brought suit against the elevator company, claiming it had no right to pay thresherman from proceeds of farmers' grain. The court decided in favor of the elevator company, thus placing the thresher's claim ahead of the chattel mortgage of the machinery company on the farmer's grain. Of course, a mortgage comes after the landlord's lien, but the case is cited as indicating the tendency of the court to protect the threshermen.

The traveling thresherman is practically performing a public service and it is in the interest of the public that he is given a lien. The Illinois threshermen co-operated with the Illinois Grain Dealers Ass'n in having the law read as it is in regard to notice being given the grain elevator operators rather than by filing with the county recorder of deeds. This saves the grain buyer the bother of consulting the county records for liens and saves the thresherman the fee for filing lien. We have yet to learn of a grain buyer having to refund to a landlord the money paid a thresherman. The Illinois law reads as follows:

Chap. 82; Sec. 59a: Every person who as owner or lessee of any threshing machine, clover huller, corn sheller or hay baler, threshes grain or seed, hulls clover, shells corn, or presses hay or straw at the request of the owner, reputed owner, authorized agent of the owner or lawful possessor of such crops shall have a lien upon such crops, beginning at the date of the commencement of such threshing, hulling, shelling or baling, for the agreed contract price of the job, or in the absence of a contract price, for the reasonable value of the service or labor furnished. Such lien shall run for a period of nine months after the completion of such services or labor notwithstanding the fact that the possession of the crops has been surrendered to its owner or lawful possessor, provided that such lien shall not be valid and enforceable against a purchaser of said crops from the owner or lawful possessor thereof unless the lienholder shall, previous to or at the time of making final settlement for such crops by such purchaser, serve upon such purchaser a notice in writing of the existence of such lien.

Exterminating Weevil?

Grain & Feed Journals: Can you give us information and instructions concerning methods and material as well as cost for fumigating an elevator for weevil?

It is my understanding that there are two types of material used, one very explosive and the other not ordinarily dangerous.—Lindenwood Co-operative Exchange, Arthur Elliott, Lindenwood, Ill.

Ans.: On account of objections by the insurance companies to the explosion hazard of bisulfid of carbon, other fumigants are coming in to extensive use, such as chloropicrin and hydrocyanic acid gas.

Chloropicrin is sold under the trade name "Larvacide" and while being deadly to insects is not poisonous to man. It is not inflammable. The liquid gives off a gas that penetrates the mass of grain.

How to Use Carbon Bisulfid.

Bisulfid of carbon is easy to use, but the policies of the mutual companies contain a clause, "This policy shall be void if the assured does now, or hereafter keep, use or allow bisulfid of carbon in any of the buildings described in this policy."

For carbon bisulfid treatment first clean the bin thoroly, sweeping the sides and remove all refuse. Make the bin as air-tight as possible. Then pour bisulfid of carbon on top of the wheat in the bin and as it evaporates the heavy vapor will sink thru the grain and kill the insects. The gas is poisonous and the operator should avoid breathing it. All fire and naked lights must be kept away as the gas is very explosive when mixed with air, so that after using, the elevator should be aired thoroly before entering. About 1½ lbs. per thousand cubic feet should be sufficient.

The bisulfid is much more effective in hot weather than in winter. The use of a greater quantity in cold weather does not help much. The liquid or the vapor does not injure the grain in any way for germination or for human food.

How to Use Hydrocyanic Acid Gas.

Hydrocyanic acid gas is one of the most deadly poisons known to medical men. A person inhaling one breath would not live long enough to take a second breath. All precautions must be taken to keep away from the rooms or buildings in which the gas is employed.

The gas is generated by placing cyanide of potassium (KCN) in sulfuric acid (H₂SO₄). The cyanogen (CN) which is poisonous combines with the hydrogen (H) of the acid to form the gas HCN. The chemical reaction is the simplest and all preparations are directed to distribution of the gas and the safeguarding of the life of the operator.

The quantity required is ¾ gramme of cyanide per cubic foot of space to be fumigated. A 10x10x10 ft. room containing 1,000 cu. ft. will require 250 grammes. As there are 28.35 grammes to the ounce, divide this by 28.35 to reduce to ounces, giving 8 4/5 oz. For each ounce of cyanide allow 1½ times as many ounces of acid, liquid measure. Allow 1½ ounces of water for each ounce of acid.

The acid and water should be distributed in the different rooms in stoneware or china crocks, or wooden pails. The acid should be poured into the water, not the reverse, each crock to contain sufficient water and acid to act upon three pounds of cyanide, the crocks having a capacity of two or three gallons each. The cyanide is tied up in three-pound paper packages, and one package suspended over each crock by a string from the ceiling into which a screw eye has been screwed. All the strings from the screw eyes are gathered to one point near the door where the operator is to make his quick exit.

Starting on the top floor the operator lowers the cyanide into the crocks containing the acid and water, closes the door and goes to the next floor below and repeats in each floor below to the basement. Do not attempt to escape by ascending a stair in the room after the cyanide has been dropped into the liquid because it is too hazardous. Doors should be barred to keep strangers out.

After 5 to 24 hours the door and windows should be opened for half an hour or longer to allow the gas to escape, and in tight rooms and

basement much longer before entering. Entry should be postponed until after all the characteristic peach pit odor has disappeared.

If potassium cyanide is unobtainable sodium cyanide will answer. The strongest acid should be purchased, if of weaker strength more must be provided. The gas will kill all insects and vermin and all larvae.

The latest publication on the use of hydrocyanic acid gas is Farmers Bulletin No. 1670, issued in April by the U. S. Department of Agriculture, and sold at 5 cents per copy by the Superintendent of Documents, Washington, D. C.

Chattel Mortgage and Claim for Seed?

Grain & Feed Journals: We furnished seed oats to a tenant farmer who later gave a chattel mortgage to another party for his one-half interest in the crop. The crop of oats was delivered to us. Have we a legal right to keep out the amount of the seed oats from the payment that we make to the mortgagee?

Must the lien notice of the thresherman be in writing to be valid, or will an oral notice be legal?—Oscar Jones, mgr. Henry C. Woodyard Grain Co., Chrisman, Ill.

Ans.: The law of Illinois, given elsewhere on this page, states that the thresher's lien is not valid unless in writing. Oral notice, therefore, will not protect a grain buyer who pays the thresher without permission of the owner of the grain. Unless the notice is in writing no attention need be paid to it.

The law of Illinois does not confer a lien for seed and the grain dealer who provides the seed oats and receives the crop is in no better position against a mortgagee than a seed house supplying the seed. The mortgagee comes ahead of the one supplying the seed.

Endorsement on Check as Protection Against Liens?

Grain & Feed Journals: We have been using the following endorsement on grain checks where grain has been purchased from farmers:

In making this endorsement the payee hereby certifies that the grain for which this check is in payment is not mortgaged, nor subject to any lien or contract.

Endorsement
We are anxious to know whether or not this endorsement would release us from further obligations provided we bought mortgage wheat from farmers not knowing that the grain was mortgage.—Fred Smith, Checkerboard Elevator Co., Denver, Colo.

Ans.: The endorsement does not release the buyer, but gives the same protection on wheat bought from farmers who had mortgaged the grain as on other liens. This protection extends only to the extent that the farmer does not dishonestly sign the endorsement when the grain has been mortgaged. The value of the endorsement lies in the unwillingness of the farmer to sign a paper convicting him of obtaining money by false pretenses. If the farmer is dishonest the mortgagee still retains his right to bring suit and recover from the grain buyer.

Following is a form of endorsement more clearly stated:

In accepting and endorsing this check I warrant to the drawer thereof that I am the sole owner of the grain or product for which check is issued, that I have clear title to the grain or product delivered, and that it is free of any mortgage, landlord or other liens.

Coming Conventions

Trade conventions are always worth while, as they afford live, progressive grain dealers a chance to meet other fellows from the field of daily strife and to be convinced that the much maligned horns are truly mythical. You can not afford to pass up these opportunities.

Sept. 14-15-16. Pennsylvania Millers & Feed Dealers Ass'n, Americus Hotel, Allentown, Pa.

Sept. 19-21. Grain & Feed Dealers National Ass'n, French Lick Springs Hotel, French Lick, Ind.

Oct. 11-12. Southern Mixed Feed Manufacturers Ass'n, Memphis, Tenn.

Oct. 19. Ohio Grain, Mill & Feed Dealers Ass'n fall meeting, Deshler Hotel, Columbus, O.

Nov. 3-4. Nebraska Grain Dealers Ass'n, Omaha, Neb.

Oh, Man!

Follow The Crowd



The Members of the **INDIANAPOLIS** Board of Trade

extend a cordial invitation to all in the Grain, Seed, Feed and allied trades to attend the 36th Annual Convention of the Grain and Feed Dealers' National Association to be held in French Lick Springs, Indiana, September 19, 20 and 21.

Before leaving the Hoosier State make it a point of duty to stop at Indianapolis and let any of these Board of Trade Members show you just how this hustling market can be of real service to you.

Acme-Evans Company
James E. Bennett & Co.
The Cleveland Grain Co.
Dorgan Grain Co.
The Early & Daniel Co.
Hart Bros. Grain Co.
Hayward, Rich Grain Corp.
The Lew Hill Grain Co.
Lowell Hoit & Co.

Indiana Brokerage Co., Inc.
Indianapolis Public Elevator Corp.
H. E. Kinney Grain Co.
C. Wm. Maibucher Grain Co.
McEwan-Butturff Grain Co.
Mid-West Elevator Co.
Montgomery & McConnel
Reed Grain Co.
Steinhart Grain Co.

You Can Do Better in Indianapolis

All Aboard for the National Convention

Program Business Sessions National Convention

The complete program for the 36th annual meeting of the Grain and Feed Dealers National Ass'n to be held at the French Lick Springs Hotel, French Lick, Ind., Sept. 19-21, follows:

Monday Morning, 9:30 O'Clock.

Call to order by President H. A. Butler.

Invocation—Rev. A. M. Copeland, Paoli, Ind.

Address of Welcome on Behalf of the Hosts to the Convention—John P. Frenzel, Jr., President of the Indianapolis Board of Trade, and also President of the Merchants National Bank, Indianapolis.

Response on Behalf of the Grain Trade—Frank A. Theis, Kansas City, Mo.

"Unchaining the Farmers Grain Markets"—Peter B. Carey, President of the Board of Trade, Chicago.

President's Annual Address—H. A. Butler, Omaha, Nebr.

Report of the Secretary-Treasurer—Charles Quinn, Toledo, O.

Presentation of Booster Prizes.

Appointment of Convention Committees.

Tuesday Morning, 9:30 O'Clock.

"The Farm Board and the Milling Industry"—Sydney Anderson, vice-president General Mills, Inc., Minneapolis, Minn.

"Congress and the Grain Trade"—Hon. M. J. Hart, member of Congress from the Eighth Michigan District, Saginaw, Mich.

"What the Farm Board Has Done to the Cotton Industry"—J. W. Garrow, Houston, Tex.

Legislation—C. C. Lewis, Chairman, Buffalo, N. Y.

Transportation—Henry L. Goemann, Chairman, Mansfield, O.

Trade Rules Committee—S. P. Mason, Chairman, Sioux City, Iowa.

Membership—I. C. Harden, Chairman, Omaha, Nebr.

Committee on Rejected Applications—W. J. Edwards, Chairman, St. Louis, Mo.

Wednesday Morning, 9:30 O'Clock.

"The Farm Board and the Cooperative Movement"—Thos. R. Cain, President Farmers Nat'l Grain Dealers Ass'n, Jacksonville, Ill.

"Retaliation by Foreign Countries Against the Agricultural Marketing Act"—C. V. Imbs, former president of the Merchants Exchange of St. Louis.

"The Feed Industry Today"—Lyle C. Lord, manager Feed Department the Early & Daniel Co., Cincinnati.

Crop Reports—O. M. Kellogg, Chairman, Denver, Colo.

Grain Products Committee—E. C. Dreyer, Chairman, St. Louis, Mo.

Uniform Grades—Frank C. Bell, Chairman, Omaha, Nebr.

Arbitration Appeals Committee—W. W. Manning, Chairman, Fort Worth, Tex.

Reports from the Six Arbitration Committees and the Feed Arbitration Committee.

Unfinished Business.

Reports of Convention Committees.

New Business.

Election and Installation of Officers.

Adjournment.

Note: Col. R. R. McCormick of Chicago, who will speak at the banquet Tuesday evening, will discuss government in business with the back-breaking taxation that inevitably follows. His speech will be put on the air over the Columbia Broadcasting System beginning promptly at 8:30 p. m. Central Standard Time.

Train and Bus Service to the National Convention

While it is anticipated that many of the delegates who plan to attend the 36th annual convention of the Grain & Feed Dealers National Ass'n, at French Lick Springs Hotel, French Lick, Ind., Sept. 19-21, will drive their own cars or accompany someone else who is driving, there will likely be many more who will use buses or trains to take advantage of this opportunity to visit the famous resort at convention rates.

The Monon station is but a block from the hotel. The Southern Railway depot is not far away.

Regarding railroad and bus service, L. E. Banta, traffic manager for the Indianapolis Board of Trade, which organization has charge of arrangements for the convention, writes:

There is excellent bus service meeting every train at Orleans, Ind., main line junction of the Monon railroad, and at Mitchell, Ind., junction with the B. & O.

The Greyhound Lines bus service runs a bus at 7 a. m. and at 5 p. m. from the Traction Terminal Station in Indianapolis. Special cars can be secured if patronage warrants.

For thru service from Buffalo, Cleveland, Toledo, or Detroit, via Indianapolis, the Pennsylvania railroad connects with C. I. & L. trains at Limesdale, Ind., at 2:10 a. m. and 2:47 p. m. New York Central trains connect with the C. I. & L. at Greencastle, Ind., at 2:07 a. m. and 2:42 p. m.

Active Committees for National Convention

The committees of the Indianapolis Board of Trade for annual convention of Grain and Feed Dealers National Ass'n, French Lick Springs Hotel, Sept. 19, 20 and 21, follow:

GENERAL COMMITTEE: E. K. Shepperd, chairman; Carl D. Menzie, William R. Evans, William C. Hayward, Lew S. Hill, Hughes Patten, William H. Howard.

FINANCE COMMITTEE: William H. Howard, Chairman; E. Clifford Barrett, P. G. Brafford, George Butturff, Louis Yochem, I. E. Woodward, O. P. Deluse, Frank Montgomery, Charles S. Weirick.

GOLF COMMITTEE: Lew S. Hill, chairman; E. F. Winslow, C. Wm. Maibucher, W. K. Mannon, Edward D. Evans, H. D. O'Brien, Walter C. Garten, Edgar H. Evans, William H. Howard.

TRANSPORTATION COMMITTEE: L. E. Banta, chairman; George H. Evans, H. J. Berry, William C. Hayward, S. R. Harrell.

ATTENDANCE COMMITTEE: Fred Sale, chairman; C. H. McEwan, Donald T. Hart, Robert B. Evans, George Off, F. P. Tompkins, R. B. McConnell, Frank McClelland, James T. Hamill, A. S. Swanson, O. P. Larimore.

ENTERTAINMENT COMMITTEE: William R. Evans, chairman; S. M. Allen, Jr., E. E. Allison, Hughes Patten, A. O. Deluse, John W. Jordan, Charles S. Weirick, Willard E. Hart, George G. Good, Carl D. Menzie, D. C. Brafford.

PUBLICITY COMMITTEE: William C. Hayward, chairman; John A. Reis, Fred Sale, E. D. Anderson, J. Glenn Steinhart, Ed A. Manlove, Dale G. Phillips.

REGISTRATION COMMITTEE: Hughes Patten, chairman; O. M. Earl, George Reed, Lew S. Hill, Lester H. Rich, Samuel A. Holdcr, H. Gage McCotter.

HOTEL RESERVATION COMMITTEE: Carl D. Menzie, chairman; O. D. Kendrick, W. D. Springer, William A. Dorgan, G. A. Pritchard.



Hugh A. Butler, Omaha, Neb., pres. of the G. & F. D. N. A., who will preside.

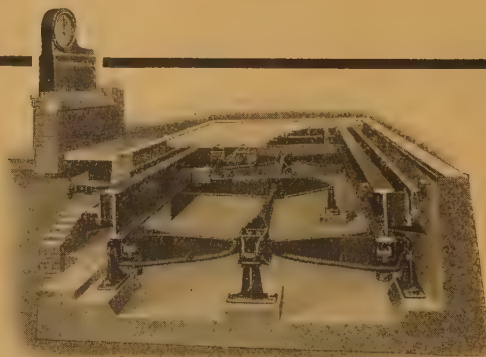


Peter B. Carey, pres. Chicago Board of Trade, who will talk on "Unchaining the Farmer's Markets."



Frank A. Theis, Kansas City, who will respond to the "Welcome" on behalf of the grain and feed trade.

A Complete *Service* to the Grain Handling Industry



WHEN you purchase a Fairbanks Scale, the invoice calls for a "scale" to the agreed specifications. But in reality, you receive far more than this most accurate and dependable of weighing devices. You are receiving a weighing service to protect your profits and reputation.

And the makers of the Fairbanks Scale in-

Showing the mechanism of a Fairbanks Type "S" Truck Scale. This embodies "center loading" construction—an exclusive Fairbanks feature. It is achieved by a flexible combination of parts suspended inside a box lever. Carries load to center line of lever, regardless of how it is placed on platform. Knife edges stay parallel, as there is no tendency for levers to slip. Scale stays accurate.

F-M POWER EQUIPMENT



F-M Type QC Motors are ideal for use on dusty drives or where explosive dust is present. Windings completely enclosed. Self-ventilating.

◀ F-M Diesel Engines reduce power costs for grain and feed mills. Full information on request. ▶

tend that you shall receive that service over a long period of years—a period far longer than the expectation indicated by the purchase price.

Constantly, a fleet of Fairbanks Scale service trucks with skilled crews and adequate equipment, are ready to serve grain elevators and mills to test, inspect and rectify even the slightest inaccuracy in weighing equipment—making repairs if necessary.

Thus your investment in accurate weighing is safeguarded with an ever-watchful service. Fairbanks, Morse & Company, Manufacturers, 900 S. Wabash Avenue, Chicago.

FAIRBANKS-MORSE

Manufacturers

POWER, PUMPING AND WEIGHING EQUIPMENT

Your Entertainment at the National Convention

Entertainment for the National Convention

As heretofore the Grain & Feed Dealers National Ass'n will hold only one business session a day during its thirty-sixth annual convention at French Lick Springs, Sept. 19-21, but the program of entertainment being planned by the Indianapolis Board of Trade calls for an exciting schedule of interesting and enjoyable events for the afternoons and evenings, so that no one will have an opportunity to experience one dull moment.

This convention promises to present one of the strongest and most interesting business programs that has been presented in years, as well as one of the most entertaining. And prizes? Why there'll be prizes for everything,—from drinking the most Pluto water to laughing the loudest and any dealer refusing to smile will be put in chains as a horrible example.

"MYSTERY FIELD DAY." Professor Samuel Dickey of Cleveland, who has attained a national reputation as a leader in the presentation of field day programs will at 2 o'clock Monday afternoon, present this great outstanding entertainment. Forty prizes will be offered in the different field events.

If you don't get at least one prize in some of the afternoon events, don't be discouraged, because prizes will also be offered for bridge, golf, horseshoe pitching, Mrs. Hyde's Wax Works and for attendance each day.

MRS. HYDE'S WAX WORKS will be presented immediately following the mystery field events in the Exhibition Hall which is near at hand and the prizes listed elsewhere in this number will be given to the successful guessers of characters represented in Mrs. Hyde's group.

THE FAMILY DINNER PARTY being arranged for all those in attendance in a section of the hotel's large dining-room, Monday evening, promises to be one of the most enjoyable events of the convention and every dealer who stays for the entire performance will go to his room laden with attractive souvenirs and many happy memories.

Vaudeville performers of unusual merit will entertain the diners throughout the evening. In fact, a number of real headliners from the metropolitan area have been engaged for the grain trade's family dinner.

Old man depression is to be given the merry ha ha!

This most enjoyable entertainment will be



The Boston Golf Trophy.

followed by a dance, music being provided by the hotel's famous orchestra.

THE GOLF TOURNAMENT for men will start Tuesday afternoon at 2 p. m. The list of prizes provided for this event is so large that even the most proficient divit diggers should be able to carry away an arm full. Many events are being scheduled, and the large list of prizes so far provided is so attractive that any golfer who ever scored less than 100 will itch for an opportunity to vanquish Colonel Bogey. Of course, the main contest in the golf tournament is for the Boston Golf Trophy emblematic of the Golf Championship of the Association, but contenders must not overlook the fact that they must win this trophy two years in succession in order to become its permanent possessor.

THE BRIDGE TOURNAMENT for the ladies will be held in the hotel parlors Tuesday afternoon at 2:30 p. m. Prizes have already been donated by the National Oil Products Co., Harrison, N. J., The Anheuser-Busch Co., St. Louis, and the Lawrenceburg Roller Mills of Lawrenceburg, Ind., and doubtless many other donations which have already been made will be assigned to the bridge players.

THE HORSESHOE PITCHING contest will be held Tuesday at 3:00 p. m.

THE BANQUET Tuesday evening, 6:30 p. m., will be the star event of the entire convention. This great assemblage will be addressed by Col. R. R. McCormick, Editor of the Chi-

cago Tribune, who will fly to French Lick to be with the grain and feed dealers on this eventful occasion.

Following his address more entertainment will be provided by the Indianapolis Board of Trade and the admirers of Terpsichore will be given a chance to celebrate her entrancing light steps as well as to witness new entertaining features by the headliners.

Grain Inspectors Round Table Sessions

Members and delegates to the annual meeting of the Chief Grain Inspectors National Ass'n, which will be held in conjunction with the meeting of the Grain & Feed Dealers National Ass'n, at French Lick, will hold a round table session to discuss matters of interest to chief grain inspectors.

The organization has found these informal round table meetings as beneficial as regular convention programs and at them members and delegates seek to share with each other the experiences of the past year.

Low Railroad Rates to the 36th Annual Grain & Feed Convention

All railroads have granted a rate of one and one-half fares for the round trip to the 36th annual convention of the Grain & Feed Dealers National Ass'n at French Lick Springs Hotel, French Lick, Ind., Sept. 19, 20 and 21.

This rate has been given delegates to the convention by every passenger ass'n in the country, and the two passenger ass'ns in Canada.

So in addition to the low American plan hotel rates at which dealers may attend the convention, low round trip transportation rates are obtainable. Such an opportunity to see beautiful French Lick, the famous Pluto water springs, to enjoy the invigorating baths and to listen to the spirited discussion of the grain trade's pressing problems has never been offered the grain trade before.



Thomas R. Cain, Jacksonville, Ill., pres. Farmers' National Grain Dealers' Ass'n, who will talk on "The Farm Board and the Co-operative Movement."



Sydney Anderson, Minneapolis, vice-pres. General Mills, Inc., who will tell about "The Farm Board and the Milling Industry."

THE FIGHT TO REDUCE COSTS

VOLUME IS ONE THING, PROFIT ANOTHER. AND IN MANY FEED PLANTS PROFIT WILL CONTINUE TO ELUDE THE MOST DILIGENT MANAGEMENT UNLESS COSTS ARE CUT BY MODERNIZATION.

ANGLO AMERICAN CAN HELP YOU WAGE THIS WAR FOR ECONOMY AS ONLY A MANUFACTURER CAN WHO HAS OPERATED ITS OWN EQUIPMENT FOR PROFIT, AND HAS LEARNED BY ACTUAL EXPERIENCE WHERE LEAKS MUST BE STOPPED IF PROFIT IS NOT TO BE DRAINED AWAY BY EXCESSIVE REPLACEMENT EXPENDITURES AND COSTLY INTERRUPTIONS.

INSPECT OUR EQUIPMENT ON EXHIBITION AT THE GRAIN & FEED DEALERS' CONVENTION IN FRENCH LICK. SEE FOR YOURSELF THE OPPORTUNITY FOR ECONOMIES AND GREATER PROFITS WHICH ITS USE WOULD OPEN UP TO YOU.

A New Machine

One feature of the exhibit will be an advance showing of a new machine which is not to be announced to the trade until October. It has been developed to meet what is already a pressing need in many plants. By installing this machine you can perform not only a new service in your plant but also avoid an unnecessarily large investment to do it, and at the same time achieve greater operating flexibility.

ANGLO AMERICAN MILL COMPANY

3075 Kennady Avenue,
Owensboro - Kentucky

Manufacturers of

Miracle Molasses Process	Anglo Hay & Roughage Cutters
Miracle Ace Hammer Mills	Vita Cereal Mills
Anglo Batch Mixers	Grain Cleaning Machinery
Midget Marvel Flour Mills	

FREE

We will gladly make a test separation on the hulls from your Oat Huller, or any other commodity you may handle. We only ask that you pay the transportation costs, and send not less than 100 pounds.



**"Your machine paid
for itself with the first
three carloads we
ran over it"** W. J. Lawther Mills
Dallas, Texas.

The Lawther Mills had been hauling their oat hulls away and dumping them. A total loss. In fact it was an expense, because it cost something to haul the oat hulls to the dumping grounds.

Knowing that their waste hulls contained some pure oat groats, the Lawther Mills had been trying to devise a means by which they could recover this pure oat groat content.

Hearing about the wonderful success seedsmen were having with our Specific Gravity Separator, they decided to investigate. We made a free test separation, and found that a large percentage of their waste hulls contained pure oat groats.

They immediately ordered a machine, and told us later that out of the first three carloads run over the machine they recovered enough pure oat groats to pay for it.

For a limited time we are offering, free, samples taken direct from the Lawther Mills. Included in one package are three samples. (1) Material before going over our machine; (2) Refuse from our machine, husks only; (3) Pure oat groats.

See for yourself what our machine is doing for the Lawther Mills. It will save you just as much money as it saves them. Don't delay another day. Send the coupon for your free samples.

NOTICE: Our machines are fully protected by patents and infringers or users of any infringing machines will be prosecuted to the full extent of the law.

**See Our Exhibit
at the French Lick Meeting
of the**

Grain & Feed Dealers Nat'l Ass'n
where our representative, Walter Steele,
will gladly explain, in detail, why and
how this separator will add to your
profits.

Sutton, Steele and Steele
Incorporated
Dallas, Texas

Farmers' Chamber of Horrors

By ARTHUR W. CUTTEN

Inquiries have been received asking us to express the cost of the U. S. Department of Agriculture and the Federal Farm Board in additional and other items of agriculture, so as better to assist the farmer in a visualization of what is being done to him under the pretext of farm relief.

We cannot modify our original views to any extent by changing the locale of the victim from the grain fields to the live stock pens or dairy buildings.

The modern feudal barons, the bureaucrats of today, will take their tribute from the sweat of the brows of those whom they should protect and relieve, just so long as the taxpayers' money holds out. They don't care a rap from where or whom it comes, so long as they can and do control the payrollers to whom it goes.

The Federal Government tells the farmer that for the year ending June 30, 1932, the Department of Agriculture disposed of \$318,975,816 in real and ready money, and the farmer should want to know how come, where go, as he has been solemnly assured that the Department exists only because of his needs, benefits and relief.

In translating this yearly expense of the Department of Agriculture into hogs, we find that two-thirds of the entire crop is produced in ten of the Mississippi Valley States, mounting to over 40,000,000 head; it would require the total present value of these millions of animals to offset this yearly expense of the Department of Agriculture, while all of the sheep and lambs of the United States, some 54,000,000 head, would hardly equal one-half of the payroll. Iowa leads as a cereal and live stock state, not to mention dairy products, but unless estimates and figures lie, her entire crop of oats, corn, rye, barley, wheat, hogs, cattle, sheep and lambs, at present market values, would show little, if any, surplus if applied to this one bureaucratic departmental expense account covering a period of only twelve months. The legislators have been preaching for years that "Agriculture is the foundation of commerce," but if commerce were in the plight that agriculture is in today, it would demand that those futile but squandering bureaus of soothsaying panaceas be thrown into that large reservoir of congressional mistakes and the lid slammed down with a bang that would be heard round the world, to let all the peoples of trade know that the farmers are once again to be a factor in international trade on the same basis as all other competitive countries.

A-I-I Aboard

It is your convention and your duty to get the most out of it, by going to French Lick, Ind., Sept. 19, 20, 21.



J. W. Garrow, Houston, Tex., who will tell "What the Farm Board Has Done to the Cotton Industry."

Terminal Weighmasters Will Meet at Round Table

No set program has been formulated by the Terminal Grain Weighmasters National Ass'n, which annually holds its meeting in connection with the convention of the Grain & Feed Dealers National Ass'n, being held this year at French Lick, Ind., Sept. 19-21.

In place of a definite program, which often overlooks some of the subjects closest to the hearts of the members, there will be a round table meeting, where every delegate is free to ask questions on puzzling subjects and hear the answers from the experience of those who have been weighing grain for many years.



Hon. M. J. Hart, Saginaw, Mich., who will talk on "Congress and the Grain Trade."

Government Interference with Grain Trade

Thos. Y. Wickham, of Chicago, chairman of the Grain Com'te on National Affairs, delivered an able address over the radio from Shenandoah, Ia., Sept. 5 on the interference of government with the grain business. He said:

Government interference with the grain trade, which culminated in the enactment of the agricultural marketing act and the creation of the farm board, began to attain serious proportions in 1922, when the grain futures act was passed.

The sniping under the grain futures act made the heavy guns of the Farm Board more effective in price destruction. Costs of maintaining the growing bureaucracy are rising the department of agriculture payroll providing jobs for 28,000 political satellites, and all these costs are chained to the backs of the farmers.

After wheat grower pays for the services of these directors of his activities he has nothing left.

Now's the Time to Have Your Business Rejuvenated

Does your business need rejuvenating?

Would fresh stimulation help you to inaugurate new campaigns for its promotion?

Then take your box of troubles to the National Convention and get your business battery re-charged.

You will find a lot of dealers in attendance whose complete confidence in the future urges them to hustle every day and they're all going to French Lick Sept. 19-21 to get new ideas, new facts and new enthusiasm. You cannot afford to stay at home even though you do not care to go. Rubbing elbows with your fellow dealers will send you back home with a fresh supply of energy. Make your reservations early.

The Boston Trophy

A beautiful silver cup, mounted on an ebony pedestal, has been the envy of every runner-up in the annual tournament since the Boston convention in 1928.

This is the trophy that was given the Ass'n by the Boston Grain & Flour Exchange at the 32nd annual convention, on the condition that it become the permanent property of the Ass'n golfer who succeeds in winning it twice. Four have already had a turn, but in no case has any one golfer succeeded in winning it twice. It is now held by O. F. Bast, of Minneapolis, who turned in a low gross score of 87 at the Houston convention a year ago. He will bring it to French Lick with him and make a strenuous effort to keep possession with another low gross score.

The cup was first won in Boston by W. Howard Mitchell, Jr., of that city, with a score of 89. At Peoria in 1929 the late W. S. Miles of Peoria was winner with a score of 81. In 1930 at Chicago the cup went to E. F. Winslow of Indianapolis.

Competition will be keen this year for this emblem of the golf championship.

The Baths

Turkish, Russian, 50-50, Pluto, Oxygen, Nauheim, Vapor and Cabinet baths may be obtained in the medicinal baths of the hotel, and salt, oil, witch-hazel, cocoa butter, talcum and friction rubs and massages are given by special bath attendants. Nothing is left undone which will restore lost health, or maintain health at high efficiency.

The informed business man believes in keeping fit, and the popularity of the baths at the French Lick Springs Hotel is striking evidence of the efficacy of the water. To enjoy a swim in the clear water of the Men's Pool, after a round of golf, is a welcome treat and makes a fitting end to a day of real sport.

Let Us Swap

I have a dollar, you have a dollar, we swap. Each has no more than before.

But, if each has a practical idea that has been tried and found profitable. We exchange at the convention and each goes home with his store of helpful ideas doubled. We know we can not afford to stay home. *Let's go!*

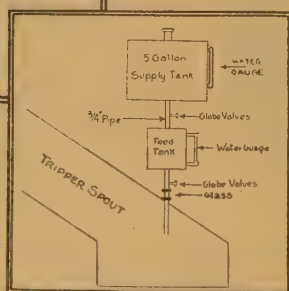


Lyle C. Lord, Cincinnati, O., who will discuss "The Feed Industry Today."

NEW! See It Exhibited at French Lick



LARVACIDE from the supply tank flows to feed tank. LARVACIDE drips on grain as it enters bin. Use two pounds LARVACIDE to one thousand bushels wheat, three pounds to one thousand bushels oats.



The Drip Method of Grain Fumigation Larvacide---The Ideal Fumigant

Here is the surest method of positive fumigation that results in a 100% kill of moths, weevils and insects.

With the Larvacide Drip Method you can save your losses and increase the satisfaction of your customers.

LARVACIDE is extensively used for complete fumigation of elevators, mills and warehouses.

INNIS, SPEIDEN & CO.

117 Liberty Street, New York

Sole Selling Agents for Isco Chemical Co., Inc., Niagara Falls, N. Y.

LARVACIDE DISTRIBUTORS

Larvacide Service, Inc., 117 Liberty Street, New York City.
Larvacide Service, Inc., 722 West Austin Avenue, Chicago, Ill.
Safe-Way Exterminating Co., 429 Franklin St., Detroit, Mich.
Idalene Exterminating Co., 2019 Adams Street, Toledo, Ohio.
Rohrer Bros., R.F.D. No. 2,

Bode Fumigating Co., 230 Stark St., Cincinnati, Ohio.
Larvacide Service, Inc., S. W. Warehouse Corp. Bldg., 19th and Campbell Sts., Kansas City, Missouri.
Twin City Exterminating Co., 2399 University Ave., W., St. Paul, Minn.
Ansul Chemical Co., Modesto, Calif.
Ronks, Lancaster County, Pa.

Come and See Us!

—at the FRENCH LICK Convention

September 19, 20, 21

COME to our exhibit and get acquainted with the Allied Mills gang. We'll be there with a complete exhibit of Wayne Feeds—and with some red-hot merchandising ideas that will help you put some of that old-time prosperity into your feed sales this fall and winter.

No bunk about it! We've got some facts and figures on Wayne Sales for 1932 that will surely interest you. And if you want to put your feed sales on a better money-making basis for the final quarter of this year—we say again

*Come and See Us
at the Convention!*

ALLIED MILLS, Inc.

Executive Offices: Chicago



Headquarters for the National Convention, French Lick, Sept. 19, 20, 21

Rates have been generously reduced by the French Lick Springs Hotel, headquarters for the 36th annual convention, to help make the convention measure up to more than usual success.

Rooms and meals are included in the rate at the hotel—spacious, restful, modern rooms, and wholesome, delicious food in generous portions. The hotel maintains its own garden and its own dairy especially to serve its guests fresh food, and keeps an excellent chef who takes pride in his knowledge of how to prepare food so it will be a pleasure to the diner.

Rates begin at \$5.50 per person, two in a room, \$6 per person, one in a room. A few rooms are available at \$5 per person per day, which, considering the superior meals, served three times a day in the dining room and included in the rate, is considered an excellent bargain for this famous resort. Other rates are for rooms facing the outside, single, without bath, with meals, \$7.50 per day; double, with meals, \$7. For rooms facing the outside, single, with bath and meals, \$9; double, with meals, \$8.50 per person.

Neither taxicab nor other local transportation expenses are present at French Lick. Large parking grounds are available for those who drive; and the trains literally set the guests down on the doorsteps of the hotel.

The French Lick Springs Hotel has been especially planned for convention purposes. The Convention Hall is located on the lobby floor of the new section. It has outside light on all four sides, assuring ample fresh air and alert audiences. This quiet Hall will accommodate 1,500 persons, and a smaller room is available for com'ite or departmental meetings.

Right under the Convention Hall is the Exhibit Hall, where extensive trade displays are convenient to the delegates. This will house

the exhibits of feed grinding and mixing equipment and feed ingredients at the National convention. Hall can be entered from all four sides.

With every person necessary to convention business always available, official meetings come to order promptly and are speedily concluded, leaving more time for rest, recreation and visiting. In the hotel and on its property will be found all manner of accommodations for entertainment of delegates. In addition delegates may take the therapeutic waters and make use of the curative baths without interfering with the business of the convention.

The massive 6-story fireproof hotel building is built of buff brick, stone, concrete and steel and contains 700 rooms with all modern conveniences. Its commodious lobby is fitted out like a club lounge with many inviting nooks for private conferences.

Logan & Bryan, brokers, have a branch office in the hotel with direct wires to all principal exchanges. French Lick Springs is a quiet spot, a restful spot, but no man need be out of touch with his business while attending the convention. Every facility of communication is available.

The Gardens

Every lover of flowers and beauty will take delight in the sunken gardens, the flowers and attractive walks provided for his pleasure in the hotel grounds.

The Japanese Garden is faithfully modeled after a typical garden in Old Japan. The Formal Garden is unexcelled on the most pretentious private country estates. Each is especially attractive in its setting amid the wooded hills that make up the spacious lands of the hotel.

Pluto Spring

Pluto Spring, source of the world-renowned mineral water of the same name, is the original cause of French Lick Springs. It is one of three springs, the others being named Proserpine, after the legendary wife of the legendary figure of Pluto, and Bowles, after the famous doctor who first recognized the remarkable curative properties of French Lick waters.

These natural spring waters have been found especially beneficial in the treatment of diseases of the stomach, intestines, liver, gall bladder and ducts, nutrition, blood, heart and blood vessels, urinary system, nervous system, and skin. They are likewise beneficial in correcting auto-intoxication, intestinal indigestion, rheumatism, diabetes, obesity and undernutrition.

All three springs are of the sulphated-sulphurated-alkaline-saline type and contain the same constituents in varying concentration. Each likewise shows radium emanation. All are clear, cool, and have a strong odor of sulphurated hydrogen and a slightly bitter taste, due to the magnesium and sodium sulphate content. Pluto and Proserpine flow at a constant temperature of 55 degrees; Bowles at a temperature of 50 degrees.

The Pluto Spring is just north of the hotel, where it may be drunk just as it comes gushing from the earth. This water is strongest of the spring waters in all constituents except radio-activity. Its water is also directly piped to the Pluto Buffet in the lobby of the hotel, where it is served free, hot or cold, at the discretion of guests.

Three Golf Courses at French Lick Springs

Many will bring their golf clubs to enjoy the sporty golf courses that form an important part of the spacious properties of the French Lick Springs Hotel. Both the Valley Course and the Hill Course have 18 holes. In addition there is a 9-hole putting course.

Greens fees do not exist for the 36th annual convention of the National Ass'n. The popular golf courses are free, as a part of the entertainment graciously provided by the hotel management.

THE VALLEY COURSE: The first tee of this course is a scant 150 yards from the hotel veranda. This course is highly popular with golfers who wish an interesting but not too strenuous game. The course is scientifically planned, with plenty of traps and bunkers, always kept in tournament condition.

While this course cannot be termed difficult, there are many shots that challenge skill. The greens are well protected and require precise shots for low scores. A modern golf house is located adjacent to the first tee.

THE HILL COURSE: Two miles southwest of the hotel is a complete, modern country club, conveniently arranged for luncheon parties, dinner parties, bridge parties, or teas, and providing homelike accommodations for those who desire to spend a week-end or a night close beside their golf bags. This club house serves the Hill Course.

The Hill Course was laid out by one of America's foremost golf architects. Greens are carefully kept, and arranged to please the heart of the scratch player who wants to know that the shots he is trying to place may be placed only with difficulty.

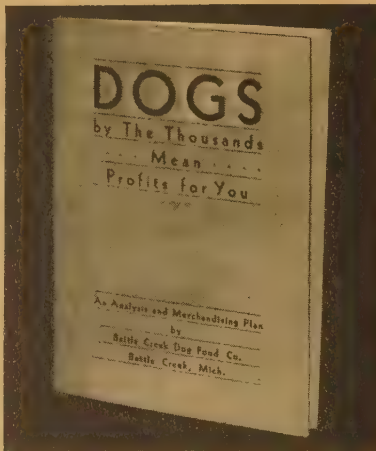
THE PUTTING COURSE: Near the hotel is a 9-hole putting course for those who want to practice up on the art of putting when time is short and a few breaths of the bracing French Lick air are the wish of the convention delegate.

The golf enthusiast will be unable to leave French Lick without carrying with him pleasant memories of his favorite sport among sympathetic friends.



View of the Sunken Garden and the French Lick Springs Hotel, where the 36th annual convention, G. & F. D. N. A., will be held Sept. 19-21.

Convention Special



This
Profit-
Making
Book

FREE

Convention visitors are urged to stop at our booth for a copy of this book that tells you all about the great dog food market. Explains . . . why the market for dog foods is increasing . . . how to determine sales prospects and profits in your city . . . how Miller's Dog Foods help you develop your market and **GUARANTEE PROFITS**. Profitable new lines are what many dealers need this Fall. Be sure to get a copy of this book. If you aren't attending the convention, write direct.

BATTLE CREEK DOG FOOD CO.

800 State Street

Battle Creek, Michigan



A Son of Champion
MAJOR YEAST FOAM

MEET MY DAD, the Champion, at the French Lick Convention, and learn what

ANIMAL - POULTRY YEAST-FOAM

will do for your live stock, poultry and pet feeds

NORTHWESTERN YEAST CO.

1750 North Ashland Avenue, CHICAGO, ILLINOIS

How Large Are Your Profits?

Grain and feed dealers believe that a large share of the profits from feed belongs to the man who owns the elevator and feed store. Sun-O-Dine Sea Meal makes this possible, because



SUN-O-DINE SEA MEAL

1. Builds highest quality feeds at lowest cost.
2. Makes big profits by using local grains and mill products to best advantage.
3. Builds business by producing better feeds.

It starts Farmer Brown and Neighbor Smith talking about their poultry, cows, and hogs—how well they are doing—how cheap the gains they are putting on—how many eggs and how much milk they are getting, just the things that satisfy feed buyers and make them come back for more.

See our nutritional expert
L. J. EWERT

at the convention and talk it over, or write

THE SUN-O-DINE CO.

2655 S. Crawford Ave.

Chicago, Ill.

For Greater, Surer Poultry Profits ARCADY—WONDER MASHES with Liver Meal

(Vacuum Processed)

Visit our booth at the
Grain and Feed Dealers' Convention
at French Lick or write

ARCADY FARMS MILLING CO.

223 W. JACKSON BLVD. CHICAGO, ILL.

"Feeds and Feeding"

ILLUSTRATED

19th Edition—770 Pages

By W. A. Henry and F. B. Morrison

The recognized authority on feeds and feeding. Careful study of this book by elevator operators who grind and mix feeds will place them in better position to advise their farmer patrons as to the best in feeds. Keep it in your office within easy reach of your patrons and encourage their reading it.

Contains valuable formulae and suggestions on feed ingredients, proportions, etc.

Price \$4.50 plus postage.

Grain & Feed Journals

CONSOLIDATED

332 S. La Salle Street

Chicago, Ill.

Feed Machinery and Ingredient Exhibits Will Feature National Convention

Exhibits of feed grinding and mixing machinery, of feeds and feed ingredients will be a big feature at the 36th annual convention of the Grain & Feed Dealers National Ass'n. These will be shown in the large Exhibition Hall, directly below the Convention Hall.

Every delegate will be interested in seeing the latest in equipment and ingredients, and he will find in charge of each display from one to four engineers and experts who are able to help materially with suggestions that will enable a dealer to return home and reduce his costs of operation or improve his service. Every phase of feed mill problems will be covered.

Among the problems that now command the limelight are the questions of safety and the reduction of fire hazards, getting the full feeding value out of home grown grains with minimum expense for concentrates and special feed ingredients, reducing power costs thru operating free running machinery and using diesel power. The answer to these and many others will be found in the Exhibit Hall at the close of each business session.

Among the exhibitors and the products that will be shown are:

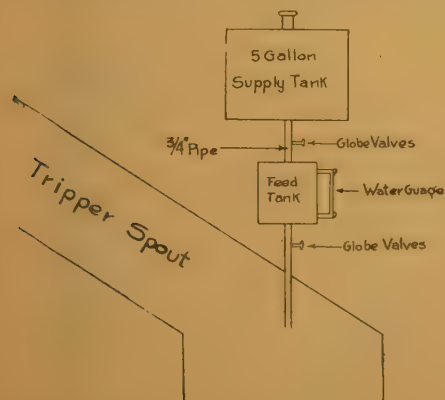
The Idalene Exterminating Co.'s Exhibit

In the booth of the Idalene Exterminating Co., of Toledo, O., will be exhibited the Drip Appliance used in fumigating grain, a steel cylinder showing how their product is shipped, a sample of Larvacide, Chlorpicrin Gas, and literature giving full instructions for the handling and use of same.

Larvacide is about 283 times as toxic as Carbon Bisulphide to insects. It is used today by the largest and many of the smaller firms in the grain and milling industry. Not only can it be used in the complete fumigation of a mill or elevator but also for localized infestation such as the machinery, elevator legs, conveyors, bins, spouts, etc. This fumigant can be safely handled by anyone. Larvacide is non-inflammable and non-explosive and therefore does not cancel insurance, but is approved by the fire underwriters.

No insect is immune from Larvacide. No stage in the development of insect life escapes its action. Its high toxic, or killing value, leaves no doubt as to its efficiency when properly used.

This company maintains a fumigating service by which the mill or elevator desiring it can have the work done at a fixed charge depending



The Drip Appliance which will be shown by the Idalene Exterminating Co.

on the size of the plant and the amount of sealing to be done. Russell Herchelroth and Siva Bender will represent the distributors.

Fairbanks Morse & Co.

A mechanical exhibit in which every grain and feed man will be interested will be that of Fairbanks, Morse & Co., manufacturers of scales, motors, engines and other equipment. On display will be a scale lever from a typical type "S" motor truck scale, the important wearing parts of such a scale, and several motors designed especially for the grain trade, including the latest in dust-proof assembly.

The company will have a personal weighing dial scale for the benefit of visitors, fat or lean, or just middle in between, and many will take interest in using this to learn their gains after eating the splendid dinners supplied by the hotel.

The scale testing truck from the Cincinnati office of the company will be on display, to demonstrate how scales are tested for accuracy.

In charge of the exhibit will be W. D. Clark, manager of the Scale Department at Chicago; W. G. Campbell, of the Chicago office; and Robert Luckey, manager of the scale department, Cincinnati office. Specialists in their lines, these men will be able to answer any inquiries put to them. Mr. Campbell has made a close study of diesel engine installations, and will be able to give a great deal of information about the reduction of power costs in grain and feed plants thru application of diesel power.

The Sun-O-Dine Co.

Sun-O-Dine Sea Meal, a concentrate based on salt water fish, kelp, and ground rice, which supplies calcium, phosphorus, iodine, iron, copper, manganese and other mineral salts and vitamin carriers necessary to complete digestion and maximum utilization of ordinary grain feeds, will be on display by the Sun-O-Dine Co. of Chicago.

This is a mixed concentrate that saves the grain and feed dealers the necessity for shipping in carload lots of many ingredients that move slowly, thus cutting down his investment in stocks and enabling him to profit thru rapid turn-over.

The theory, proven in practice, is that middle western lands are low in mineral content, and grains are unable to supply bird and animal life with its requirements of some of the minor ingredients necessary to proper assimilation of food nutrients. This product is what made possible the development of "iodized eggs" now being offered on a premium market.

In charge of the exhibit will be L. J. Ewert, nutritional expert for the company, who will be glad to explain in detail how the product increases profits for grain and feed grinders.

C. J. Tagliabue Manufacturing Co.

A Tag-Heppenstall Moisture Meter will be the principal exhibit of the C. J. Tagliabue Manufacturing Co., who build this remarkable device for quickly learning the moisture content of any grain.

The device will be in operation so every delegate can learn just exactly how it works. Making accurate moisture tests quickly is one of the trying problems with which the trade constantly struggles. Moisture content is an important factor in buying and selling. To a country dealer knowing the moisture content

of any lot of grain may mean the difference between buying it at a profit and taking it at a loss.

J. P. Henderson of the company will be on hand for the demonstration and delegates will find him a wealth of information about moisture content and how it affects grain. C. C. Hurst, Chicago, and R. C. Staub, Cincinnati, will accompany him.

Allied Mills, Inc.

A complete line of Wayne feeds for poultry, cattle, hogs, and horses will be in the exhibit by the Allied Mills, Inc., which does an extensive business thru Indiana. These profitable commercial items for grain and feed dealers will find ready interest among the delegates who will quickly recognize good packaging and fast moving merchandise.

Allied Mills will also display a complete line of soy bean products, featuring Super Soy, the new mineralized soybean oil meal concentrate. Minerals have been the chief factor in making soybean oil meal win high honors in vegetable protein feeding contests. In Super Soy the proper blend is already prepared to save time and money for the handler and give his trade a product that it keeps calling for.

In charge of the exhibit will be A. G. Philips, Pete Turner, G. A. Holland, Don Sheldon, Geo. Cabler, Paul Riley and E. E. Roquemore.

Northwestern Yeast Co.

A big attraction at the exhibit of the Northwestern Yeast Co. will be the world-renowned Champion Great Dane, "Major Yeast Foam v. d. Rehbach."

Everyone will want to see "Major," the dog that has traveled all over the country and revelled in publicity until his name has hardly a rival since the passing of Rin-Tin-Tin. He is of a pure rich fox fawn shade, trimmed with the desirable black muzzle and eyebrows. His eyes are dark and expressive. His disposition makes him the pet of everybody and in several shows, where he won his laurels, he was called the "most popular dog in the show." Major Yeast Foam is a strictly yeast-fed dog, and his condition and development is the talk of all who see him.

Judge D. E. Hale, owner of Halecroft kennels, and manager of the animal-poultry yeast department of Northwestern Yeast Co., will be on hand to display the product and to tell about the benefits of feeding yeast. Annually in demand for judging birds at poultry and pet shows, Judge Hale is a real authority on feeding, whom all dealers will be glad to meet.



Judge D. E. Hale of Northwestern Yeast Co. with Vista Yeast Foam, v. l. Rehbach, and her brother, Major Yeast Foam, v. l. Rehbach (A. K. C. 584,722), who will be shown.

Exhibits for National Convention — Continued

The Anglo American Mill Co.

An extensive and interesting exhibit is promised convention delegates and visitors by the Anglo American Mill Co., of Owensboro, Ky., manufacturers of the Miracle Ace line of feed grinding and mixing machinery.

The Miracle Ace people are more than machinery builders, they are business builders. The company will have on display:

A No. 3 Miracle Ace Super Hammer Mill, a heavy rigid machine with solid rotor, short, stocky, chrome nickel hammers, oversize SKF bearings, and a 50 h.p. motor.

A No. 2 Miracle Molasses Process, with pump and control stand, the cold process which so many have used to good profit in meeting the demand for sweet feeds that has sprung up the last few years.

The Ace Bag Holder, speedy and easy in operation, a clever new device wherein a coil spring on a swelled spout-end replaces the customary unhandy hooks, holding the bag firmly and avoiding undue wear and tear.

The Ace Hay Cutter, a new machine, designed to cut hay efficiently without vibration and without dust, at the same time maintaining low operating cost. This machine reduces one of the most serious hazards around hay cutters, that of fire.

In charge of the Miracle Ace exhibit will be Cecil Dodd, pres.; C. O. Sandefur, chief engineer, and Paul Ferguson, divisional sales manager, all of whom are thoroughly familiar with the problem of making and merchandising feeds, and will be glad to answer all queries.

Anheuser-Busch

A display of malt extracts, near-beer and similar items will be shown by the Chicago office of Anheuser-Busch. So many grain and feed dealers have handled such items with surprising success it is being looked upon as a profitable side-line.

H. S. Bliss will be in charge of the exhibit with detailed information on how to make money from Anheuser-Busch products.

Battle Creek Dog Food Co.

The Battle Creek Dog Food Co., Battle Creek, Mich., will display a full line of its Miller's Dog Foods, known everywhere as the "Battle Creek Health Food for Dogs." For years this company has manufactured a complete line of dog foods, which include Miller's Biscuits; Miller's Kibbles, a broken dog biscuit; Miller's Ration, a granular meat-cereal food; Miller's Quick Lunch, a brand new red beef canned meat product; Miller's Vitamil, a vitalized conditioning food for dogs; Miller's Puppy Meal, a special food made for the tender digestive organs of small dogs, and Miller's Dog Soap, a soap which is guaranteed to kill fleas.

Miller's dog food products are made of the choicest cereals, government inspected meats, powdered milk, dicalcium phosphate, and other dependable ingredients that supply mineral and vitamin requirements.

P. F. Ricketts, president of the company, will



Battle Creek Dog Food Co. will show its line of dog foods.

be in charge of the exhibit, anxious to meet grain and feed men who have so successfully handled Miller's Dog Foods for the past 15 years. He is an authority on feeding dogs, and lovers of dogs will find in him a wealth of information.

H. D. Schutte

H. D. Schutte, Buffalo, N. Y., inventor of the Schutte Positive Adjustable Hammers for hammer grinders, that gives 10 grinding edges of manganese steel before it is worn out, will have several of these on display. This special hammer has supports made of special heat-treated steel, that holds a manganese steel head in positive working position by means of a lock screw. The head has five grinding faces, which can be reversed to give 10 grinding edges. When one edge is worn halfway across the grinding face it is quickly adjusted to the next cutting edge without removing from the mill. The economy of changing heads without replacing the entire hammer is among the desirable features.

Also on display will be a Schutte vacuum type fan, which has a solid steel casting rotor, so designed as to give long life and quiet operation. H. D. Schutte will be in charge of the exhibit and will have literature and evidence available on all his products.

The Lima Armature Works, Inc.

The Homer Magnetic Separator will be exhibited by the Lima Armature Works, Inc., Lima, O., builders and rebuilders of electrical machinery. The device, which has won the approval of the Mutual Fire Prevention Bureau, survives the ball-bearing test, even when using balls two inches in diameter or more, because it pulls four times as strong as is normally required of separator magnets. It uses an inclosed magnet.

This device is made for both hammer and attrition mills. It will be shown by O. D. Prater, who will have charge of the exhibit.

Reliance Construction Co.

Blue-prints of the plans of the Wyatt Grain Co.'s splendid plant at Wyatt, Ind., showing model Indiana construction of grain and feed plants, will be shown by the Reliance Construction Co. of Indianapolis.

These are detailed plans that demonstrate modern construction designed to save power and reduce labor costs in operation. C. E. Flora will be on hand to point out the salient features.

Arcady Farms Milling Co.

Arcady Farms Milling Co., Chicago, manufacturers of the famous R-K-D line of poultry and livestock feeds, will have an extensive and interesting display. It will feature its feeds and the vacuum processed Liver Meal that is one of the outstanding ingredients of its mash feeds.

Mr. and Mrs. Wirt D. Walker, Rudy Opsal and family, and Frank L. Eckert will be in charge of the exhibit.

Mutual Fire Prevention Bureau

The Mutual Fire Prevention Bureau, Chicago, will have a booth to exhibit examples of tramp iron and other foreign matter that has been removed by magnetic and pneumatic separators from grain being fed into hammer and attrition mills.

A feature of this exhibit will be examples of plugged fuses, and weak extension cords that greatly increase the fire hazards around grain elevators.

Every delegate will be interested in viewing the remnants of feed mills that have been wrecked by tramp iron, and profit by developing sales arguments for their protected grinding equipment.

Literature on fire prevention, and pamphlets on standards and regulations will be distributed. Harry Lee will be in charge of the exhibit.

The Denver Alfalfa Milling & Products Co.

Three sacks of alfalfa meal, in various modulations of grinding, will be the display of the Denver Alfalfa Milling & Products Co., St. Louis office.

These will show the good, healthy, green color of the Colorado sun-cured product, and will attract the attention of every man interested in making or selling feeds. Alfalfa meal is one of the few feed commodities that never suffered loss of volume thru the depression.

The Richmond Manufacturing Co.

In the interests of reducing fire hazards and avoiding the dangers of legal intanglements that come from letting metal get into grinding machines, every operator of a grinder will want to see the display of the Richmond Manufacturing Co., Lockport, N. Y., showing its latest developments in the Niagara Super Giant Electro Magnet.

This device has the approval of the Mutual Fire Prevention Bureau for installation on grinding equipment. It operates on the ordinary 110 volt alternating current lighting circuit. No direct current generator is required.

Installed in the bottom of a wood or metal spout, or in the bottom of the metal intake table of a hammer mill, it provides positive protection against tramp iron at low cost. The power converter is fitted with a pilot light and circuit breaker, and having no moving parts it will last for many years.

H. H. Moyer will be in charge of the exhibit, and pleased to explain the device to all comers.

The Field & Shorb Co.

The Field & Shorb Co., Decatur, Ill., distributors of elevator supplies, will display some of its equipment.

One of the features of this exhibit will be a variety of SKF bearings, manufactured by SKF Industries, as used to such good advantage by the country and terminal grain elevators, to reduce friction and power costs, as well as the labor of constantly oiling bearings. These are the bearings that have done so much for the peace of mind of their users, practically eliminating the fire hazards attendant upon plain bearings.

Another feature will be Rockwood pulleys and the new set-up for motors on the Rockwood floating mounting, whereby the weight of the motor keeps the belt tight and eliminates loss of power through belt slippage. This device was developed for belt drives on short centers.

The Master geared head motor, as manufactured by the Master Electric Co., especially designed for driving elevator heads, will be another feature of the exhibit.

In charge of the display will be D. H. McMahan, of the company's industrial supply department, and P. A. Carlson, Chicago representative of SKF Industries, Inc.



Greeters from Indianapolis Will Welcome You at Every Turn.

Exhibits for National Convention — Continued

The Sidney Grain Machinery Co.

A big display will be offered by the Sidney Grain Machinery Co., Sidney, O., manufacturers of corn shellers, grain cleaners, grinders, mixers, and complete equipment for grain elevators.

The exhibit will include a ½-ton Sidney Kwik-Mix Mixer, a Sidney Roller Bearing Corn Sheller, a Sidney Standard Seed and Grain Cleaner, and numerous parts from the machines the company manufactures. Some of the machines will be in operation, to demonstrate their efficient principles.

In charge of the exhibit will be Carl F. Berger, manager of the company; Carl Schlagger, factory superintendent; Cliff Buzick, sales engineer, and W. W. Means, Indiana representative, all of whom are thoroughly familiar with grain elevator mechanical problems.

National Safety Council

An exhibit of unusual interest will be that of the National Safety Council. Comparatively few people have any idea of the magnitude of this organization which carries on continuous safety work among some 12,000 industrial plants and other business concerns, teaching approximately one-tenth of the population of the country. Many members of the Grain & Feed Dealers' National Ass'n belong to the organization, particularly those in the elevator field, where the Council's engineering staff has been of great service in studying the many hazards pertinent to this particular field of operations.

The display will show the many types of Council safety posters, of which more than 3,000,000 were used throughout the country last year. Also samples of the many Council publications will be exhibited. Safe Practices pamphlets covering hazards peculiar to the grain and feed business will be shown. The organization was launched primarily to reduce industrial accidents but of late years its activities have been broadened to include home and highway safety departments.

Penick & Ford Sales Co.

Samples of Douglas Corn Gluten Feed and Douglas Gluten Meal will be on exhibit by Penick & Ford Sales Co., Cedar Rapids, Ia. In charge of the display will be G. E. Hillier, manager of the company's feed department.

Swift & Co.

An exhibit of animal and poultry feeds will be made by Swift & Co., Chicago. This will include a display of Swift's brands of meat scraps, digester tankage, bone meal, blood flour and dried buttermilk. Bomin, a mixture of bone meal, salt and other mineral ingredients will be one of the features.

Samples will be displayed in containers so they can be readily examined by all interested. A. C. Spierling of the company's animal feeds department will be in charge to explain the feeding properties of each.

Grain & Feed Journals, Consolidated

A full line of feeds and feeding text books, covering poultry, dairy cattle, fat cattle, hogs, horses, mules and other livestock, with starting, growing, production and fattening rations, will be shown by Grain & Feed Journals, Consolidated.

Included in the exhibit will be a full line of accounting books for grain and feed dealers that save time and labor in keeping accurate records, and leave nothing to memory in recording the daily transactions of business. This will include car record books, grain receiving ledgers, contract forms, coal sales forms, confirmation blanks, grain tables and cipher codes.

Every delegate will find much of interest in the labor saving devices that will be part of this exhibit.

Sutton, Steele & Steele, Inc.

Sutton, Steele & Steele, Inc., Dallas, Tex., will show one of their Specific Gravity Separators in operation. This machine has found great favor in the seed and grain trade for making difficult separations of mixtures and grades. It enjoys world-wide distribution.

As a reclaiming machine that prevents wastes commonly occurring around grain elevators it has no peer. One of them, following an oat huller in a Dallas plant, recovered sufficient oat groats from hulls to pay for the machine in the first three carloads on which it was used.

In charge of the exhibit will be Walter Steele, direct factory representative, who has thoroughly studied application of the machine to the cleaning and grading problems of country and terminal elevators as well as the seed trade, and will be glad to advise with all members of the trade.

Oyster Shell Products Corp.

Various sizes of Pilot and Reef Brand oyster shell will be exhibited by the Oyster Shell Products Corp. This product is widely handled by the grain and feed trade, having demonstrated its ability to produce strong shells and supply calcium requirements when kept before poultry.

The product is available in a wide variety of sizes and granulations for incorporation in complete mash feeds, separate feeding to chicks, or cracked to the right sizes for keeping before laying hens. It is widely advertised to the consuming trade.

In charge of the exhibit will be Cameron Leverich of the New York City office, and Gustaf Ackerman of the company's St. Louis office.

The Duplex Mill & Manufacturing Co.

Exhibited by the Duplex Mill & Manufacturing Co., Springfield, O., will be a Magnetic Separator, a Model L Hammer Mill, a Corn Cracker and Grader, and a Feed Mixer, all bearing the Kelly Duplex trade mark.

This rugged machinery, designed with minimums of wearing parts consistent with efficient operation, leads the parade of the Kelly-Duplex line, which includes burr mills, ear corn crushers, feeders for hammer mills, chain drags, metal catchers, corn shellers and other grain and feed manufacturing and handling equipment.

In charge of the exhibit will be H. W. Wise, with an associate, grain and mill machinery engineers, familiar with the problems of the trade.

Gruendler Crusher & Pulverizer Co.

The Gruendler Crusher & Pulverizer Co., St. Louis, Mo., plans to make a display of its feed grinding and mixing machines, showing how these may prove profitable to the grain elevator operator. One of the features is expected to be a display on hammer mill equipment.



Ace Bag Holder contributed by Anglo American Mill Co. as a prize in Mrs. Hyde's Wax Works.

Waste of federal funds occurs in the Market News Service, \$1,380,000; Bureau of Standards, \$1,000,000; market inspection of farm products, \$538,000; regulation of cotton futures trading, \$289,000; regulation of grain futures trading, \$219,000; and department of agriculture publicity, \$1,000,000, annually. Some students of tax expenditure believe we will get no relief from wasteful activities until the legitimate activities of government are accurately defined in the statutes or by amendment to the Constitution.

Europe at the moment is very apathetic about foreign wheats, altho its stocks are very low, the Southern hemisphere shipping very little and Russia none at all. This, we believe, is due to the approaching European harvest and their poor buying power. Six weeks of the new crop year have passed with the export sales very small, a season when we usually dispose of liberal quantities. With an unusually large surplus available it can be readily seen we must have a large demand to maintain and advance prices. Speculative advances are at all times possible of a sympathetic character but they soon subside when it is found that the fundamental situation does not improve.—Norris Grain Co.

SCHUTTE HAMMER MILL PARTS

Reduce your Grinding Costs by installing these essential parts in your Hammer Mill. Users say they reduce upkeep costs as much as 75 per cent.

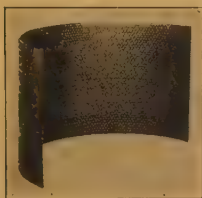
SCHUTTE PRODUCTS

are designed to give maximum efficiency at lowest upkeep cost. They will do this for you. Full information, prices, etc., gladly furnished. When writing, advise name of manufacturer, size, type and model of mill.

H. D. SCHUTTE

621 Eggert Road Buffalo, N. Y.

See Our Exhibit at French Lick



Screen



Vacuum Type Fan



Positive Adjustable Hammer

Prizes for Grain and Feed Dealers at French Lick, September 19-21

Attractive Prizes Offered in Mrs. Hyde's Wax Works

Exhibitors have offered a number of very attractive prizes for the successful guessers in the travesty on the Farm Board entitled Mrs. Hyde's Wax Works, which will be shown in the Exhibition Hall Monday afternoon, 5 o'clock p. m. The prizes should encourage many to make a careful study of the racketeers who have striven vigorously to coerce farmers in joining what they term "cooperative marketing," with government money at the expense of the taxpayers. The prizes offered include:

A HANDY SACK TRIER, for sampling sacks of grain or seeds, contributed by the Seed Trade Reporting Bureau, Chicago.

SUN-O-DINE SEA MEAL, a bag of the fish, kelp and rice based product that supplies the animal and bird needs for mineral salts and makes livestock lay on meat and shell out eggs. This is enough to make half a ton of feed.

A COPY OF "FEEDS & FEEDING," abridged, 440 pages, 5½x8 inches, offered by the Henry-Morrison Co., Ithaca, N. Y.

A COPY OF "FEEDS & FEEDING," unabridged, offered by the Henry-Morrison Co., a 770 page volume of authoritative information on the feeding requirements of all classes of livestock and poultry.

AN ACE BAG HOLDER, a clever new bag holder that can be conveniently attached to spout ends, is contributed by the Anglo-American Co., Owensboro, Ky.

A SACK OF DOUGLAS CORN GLUTEN FEED, one of the leading protein feeds for dairy cows, will be presented by Penick & Ford Sales Co., Cedar Rapids, Ia.

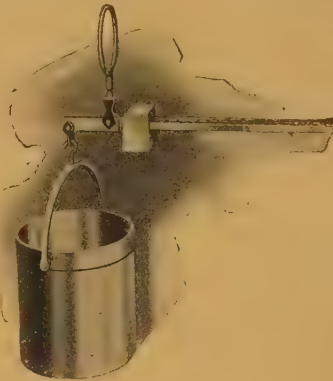
A SACK OF DOUGLAS CORN GLUTEN MEAL, high protein concentrate from the corn products industry, will be one of the gifts of Penick & Ford Sales Co., Cedar Rapids, Ia.

ARCADY BEST BET LAYING MASH, five sacks of it, containing vacuum processed Liver Meal, is the award of the Arcady Farms Milling Co., Chicago, manufacturers of poultry and livestock feeds.

THREE BAGS OF ALFALFA MEAL, exhibited in the Exhibition Hall during the Convention, by the Denver Alfalfa Milling & Prod-

ucts Co., will also be given at the close of the Convention to one of the successful guessers.

Such a splendid list of valuable prizes, every one of which is of helpful use to the operators of grain and feed plants will encourage sharp



Grain Testing Bucket offered by Fairbanks, Morse & Co. as first attendance prize for Tuesday's Business Session.

competition in guessing who the posers represent in the group that will compose "Mrs. Hyde's Wax Works."

There are no first, second, third or seventh prizes in this contest. The guesser who wins first place will be first to select his prize from the list, the one who wins second place will be second to select a prize, followed by the winner of third place, fourth, fifth and so on, until all prizes are distributed.

These prizes will be displayed in the lobby of the convention hall where everyone can see them.

Prizes for Golf, Bridge & Horse Shoe Pitching

Prizes in abundance will be offered. There will be enough so every contestant will have a chance to win one.

First on the list is the Mystery Field Day that will be held on the hotel grounds Monday afternoon. More should be said about this leading feature of entertainment, wherein men and women will laugh until they hold their sides, and cheer contestants with all the abandon of the grandstands at the ball parks. Secrecy surrounds the events. Secrecy also surrounds the prizes, but it has leaked out that there are 40 of them.

No one need feel discouraged because the scratch players of the trade will be out after the Boston trophy. Foreseeing the struggle Lew Hill of the committee on golf has arranged an excellent list of additional prizes, which will provide almost as much excitement as the championship cup itself.

So, too, with the ladies' bridge tournament held at the same time that the men are to be fighting over the golf trophies. Just so everybody gets a break there will be a large number of prizes for both tournaments.

The Horse Shoe Pitching Contest is going to have a bunch of ringers for prizes. This event which will be held right next to the golf

course, in the same place as the mystery field day, close to the Exhibition Hall, at the same time as the pasture pool players are fighting for the Boston cup, will provide a lot of excitement.

Especial mention should be made of the contributors of prizes already received by the committee to date. They include Anheuser Busch, St. Louis; National Oil Products Co., Harrison, N. J.; Acme Evans Co., Indianapolis; Quaker Oats Co., Chicago; Lawrenceburg Roller Mills, Lawrenceburg, Ind.; O. W. Randolph Co., Toledo, manufacturers of Randolph Grain Driers; Early & Daniel Co., Cincinnati, manufacturers of Tuxedo Feeds.

Attendance Prizes for Each Business Session

As dealers register with the Secretary of the Grain & Feed Dealers National Ass'n, at French Lick Springs, Sept. 19th, they will register on cards numbered consecutively. In other words, each dealer attending the meeting will be given a number in the order of registration. A duplicate set of numbered cards will be thoroughly mixed in a box and a blind-folded child will draw three numbers from the box some time during each session. If the dealers registering under the numbers drawn are then in attendance at the business session, they will receive prizes in the order drawn. If absent other numbers will be drawn until numbers of dealers present in hall are drawn.

The first prize will be an attractive marine oil painting by Frank E. Fitzgerald of Indianapolis.

The second prize will be a special automobile personal accident insurance policy issued by the Lumbermen's Mutual Casualty Company to insure winner against injury in automobile accident.

The third prize will be a fountain pen with a base to set on the winner's desk.

All of the attendance prizes for the first day's business session were donated by the Grain Dealers National Mutual Fire Insurance Co., Indianapolis, Ind.

The three attendance prizes for Tuesday's business session in the order listed are as follows:

A GRAIN TESTER, standard quart size bucket and balance, given by Fairbanks-Morse & Co., Chicago, builders of scales and machinery for the grain and feed trade.

BUDWEISER WILL BE THERE! A case of it. Mr. H. S. Bliss of the Chicago office will make the presentation right under the Anheuser Busch of one carton of Busch Extra Dry Gingerale and one carton of Budweiser Beverage as the second prize for attending Tuesday's business session.

A PEN AND PENCIL set, a new octagonal Ever Sharp Doric, which is worth working for, donated by Allied Mills, of Chicago.

Attendance prizes for Wednesday's business session will be announced later. Register promptly upon arrival so your registration number will be in the box of luck.

Make Your Reservations Early

"Make your reservations early," is the advice of the committee on arrangements at the convention. Business at the hotel is picking up and they want every man who intends to go to be provided with all the hotel comforts at the convention rates.

This can be assured by making reservation of room requirements in advance.



Attractive pen and pencil set offered by Allied Mills as third attendance prize for Tuesday's Business Session.



Sack Sampler offered by Seed Trade Reporting Bureau as a prize in Mrs. Hyde's Wax Works.

Trailers Increase Troubles of Elevator Operators

Increasing truck license fees and the low price for wheat, causing the farmers to make greater use of two and four wheel trailers that can be coupled to a draw-bar attached to the rear of the family automobile, has created a new problem for country grain buyers in the Southwest. In many districts the number of trailers in constant use has increased 150% over 1930.

Oklahoma permits the free use of trailers in such manner without a license. It may be hard on the family car, being twisted and strained drawing a heavily loaded trailer that sways on the road at the speeds customarily traveled. It may likewise be hard on the brakes putting them in poor condition and increasing the possibilities for accident. But the license fee means something to grain farmers. They also find themselves unable to pay the hauling charges, low as they are, of regular trucks engaged in the business of transporting grain and other commodities.

From the farmers' standpoint the use of a trailer has its merits, aside from the objections stated above. They will hold as much as the regular farm wagons fitted with grain boxes. Even the two wheel trailers come close to carrying 60 bus. of wheat at a load. They are small and light hence roll easily on their rubber tires.

For the elevator operator the farmers' use of trailers is full of trial and trouble. Pres. C. T. James of the Oklahoma Grain Dealers Ass'n mentioned a few of them while presiding at that organization's last annual convention, when he said:

"It takes time to couple and uncouple these trailers in order to dump them, much more time than it does to weigh and dump a truck. At stations where the volume is light and there is no rush period this would make little difference, but in combine sections, when wheat is being delivered fast, this will constitute a serious handicap to the grain dealer."

The four-wheel trailers, most of which carry tight grain boxes attached to the frame and running gear of a discarded Model T Ford, fitted with a short tongue and coupling, so connected with the front wheels that it turns them properly in being drawn, are trouble enough. They can be conveniently weighed on and off the scales at the average elevator, but require uncoupling at the dump sink. Here the problem may be increased by the type of truck dump. If the platform of the dump is set far ahead of the trap-door to the dump sink, as is required for normal trucks, the grain is spilled in front of the inlet to the sink and requires a lot of sweeping. At the same time, the low wheels and close-to-the-ground construction of the trailer frame, prevents efficient use of the dump logs.

How much more inconvenient is the two-wheel trailer, which while it may be dumped as conveniently as a wheel-barrow, has to be

uncoupled and recoupled to the automobile three times each time it dumps a load. When it pulls on the scale it is customary for the owner to have a strong staff or box that can be put under the tongue to prevent the trailer tipping while being weighed. If the trailer is balanced too heavily to the front an automobile jack, set on a block of wood, is used.

In the driveway the trailer has to be uncoupled again to be dumped, re-coupled for the trip back to the scale platform and again uncoupled to get accurate tare weight.

J. J. KAUFMAN, manager of the Farmers Elevator Ass'n at Moundridge, Kan., found the answer to one of the most serious phases of the problem presented by the trailer. A farmer, leaving his car standing half out of the driveway of the elevator, while he uncoupled his trailer, was surprised to find his car start to move away, down the exit grade of the elevator driveway. Before the startled farmer could catch it, the machine had rolled down the grade, out on level ground to the public highway, and come to a stop, missing a telephone pole by a few inches in the course of its driverless flight. The farmer had failed to apply the hand brakes when he got out of the car. So long as the trailer was coupled to it, the car was held, but released from the trailer, it responded to gravity.

Mr. Kaufman bethought himself of how much liability to which he might have been held had the car struck the telephone post and been seriously damaged, or had rolled farther, into the public highway, and been struck by another car. Thereupon he ordered 80 loads of sand and gravel, with which he built up the exit grade of the elevator, so that it would be level for a great enough distance to prevent the starting of autos operated by forgetful customers.

The photos reproduced herewith show the two types of trailers commonly used for hauling wheat in the southwest, as they appeared on Mr. Kaufman's scales.

Grain Company Liable for Act of Manager

The Supreme Court of Missouri on Apr. 8, 1932, found that the Nelson Grain & Milling Co., Kansas City, Mo., was liable for the act of its foreman, Wildbahn, in striking the knife of a car mover so that a chip flew off into the eye of Eddie Parker, who was at work putting a new blade in the car mover.

The new blade had been inserted part of the way, but the opening in the soft malleable iron had been battered and the knife stuck. Suddenly Wildbahn seized a hammer and undertook to drive it in by striking the hard and glasslike metal. The chip that broke off at the stroke cut thru Parker's eyeball.

The defense to Parker's suit was that Wildbahn was a fellow servant, but the court held that "Manager and treasurer of grain and milling company who directed stationary engineer to repair car mover and participated in the work was not a fellow servant of engineer, but a vice principal."—48 S. W. Rep. (2d) 906.

Curiosity versus Caution

By GUY E. PATTESON, MEMPHIS, TENN.

Roosevelt! Roosevelt! No this is not politics. No allusion is being made to Theodore or to Franklin D. This Roosevelt was ivory domed and ebony hued, and endowed with a degree of curiosity characteristic of his race.

The writer of this article knew him, employed him, and paid for the Workmen's Compensation Policy which covered him like a blanket,—but his name was bona fide Roosevelt, though he did not know about the bona fide. That was not all he did not know. He did not know how to run a corn mill but he thought he did.

He was carefully instructed as to the proper way in which this mill was to be operated. The superintendent of the factory exercised a fatherly care over his workmen and Roosevelt was told that the place for his hand was on the outside of the mill, and not on the inside.

Through some occult means he had discovered that that blanket compensation policy had him thoroughly enveloped and his mercenary instincts were aroused. Either that or the native curiosity derived from the brunette Eve who was his ancestress provoked an investigation of the mill.

A little door was opened, Roosevelt's hand was injected and immediately his dream was realized. Roosevelt had one hand instead of two and did not have to work any more. The Workmen's Compensation did the rest.

He did not miss the hand. He became the hero of his associates, spent some weeks enjoying the fat of the land in the hospital, bought a second-hand truck, embarked in a commercial enterprise along the vegetable and fruit line where business was generally good and when dull times came it was a simple matter to appease the pangs of hunger by devouring the stock in trade.

This story has a moral. The writer of this article was likewise the owner of the mill. He was interested in the welfare of his employes and permitted no man to work in a place where his safety was threatened. All necessary precautions were taken. The moral is that the mental quality of the labor employed must be considered as well as the muscular strength.

In this specific incident the laborer was warned to keep his hands away from the grinding part of the machine and this grinding part was especially protected by all necessary mechanical guards. The grey matter required for the construction of mental guards should have been plentiful in the cranium of Roosevelt but no X-ray was at hand to disclose the existing vacuum.

Employers of labor should subject the individuals employed to certain mental as well as physical tests before putting them to work on dangerous machines.



Weighing Trailers at the Farmers' Elevator, Moundridge, Kan.

Crop Reports

Reports on the acreage, condition and yield of grain and field seeds, as well as on the movement to country markets, are always welcome.

Charbonneau, N. D., Aug. 26.—Wheat yielding about 9 bus. per acre average here.—A. T. Lillethun (mgr. Big Flat Grain Co.).

Crandall, S. D., Aug. 30.—Threshing is all done here now, and the yields turned out to be for the average as follows: Wheat 15 bus., barley 25 bus., and oats from 35 to 40 bus.—J. P. Hegge, mgr. Farmers Elevtr. Co.

Kanorado, Kan., Aug. 26.—Corn is badly hurt, will be chaffy and light, on account of the hot, dry weather; 133% acreage of last year, with only one-half crop average now in prospect.—Kanorado Co-op. Assn, R. E. Harrington, mgr.

Portland, Ore., Sept. 2.—The soil is too dry to plow for fall seeding, according to the weekly crop summary of the weather bureau. Pastures are generally dry, and there is some complaint of shortage of feed on the range.—F. K. H.

Springfield, Ill., Aug. 31.—Corn is maturing rapidly and denting is general. It was benefited by precipitation. Silos are being filled. Corn has been damaged in some northern areas by the scarcity of moisture. Its condition is best in the central counties, while in the southern division the condition ranges from fair to excellent. Stubble plowing continues with favorable soil.—Clarence J. Root, Meteorologist, U. S. Dept. of Ag.

Indianapolis, Ind., Aug. 31.—Warm, dry weather early in the week proved generally unfavorable to crops and delayed plowing in all sections; but moderate rains during the middle and latter parts of the week improved conditions considerably, benefiting corn especially. Plowing has now been resumed, although in many sections the ground is still too dry for good progress. In the northern section silo-filling and bean-hay making are progressing; harvest of sweet corn continues in the central section, and in the south rye sowing has begun.—R. E. Spencer, Ass't meteorologist, U. S. Dept. of Ag.

In Western Canada wheat was reported on Sept. 1 the same as last month or 463,000,000 bus.; compared with an official August first estimate of 88% for a long time average which we interpret to suggest a crop promise on that date of 449,000,000 bus. We consider the unfavorable weather during August as less than usual. Much less than average frost and hail damage is assured. Much of the wheat was too far advanced to be as subject as usual after August first, to lack of moisture or heat. Delivery at country stations for the crop year may not verify our estimate if there should be a net price advance as farm bins have been cleaned this season. In million bushels Manitoba has 50, Saskatchewan 245 and Alberta 167.—R. O. Cromwell, statistician Lamson Bros. & Co.

Corn Above Average Condition

Chicago, Ill., Sept. 2.—In the last week of August the condition of the corn crop was 73.5% of normal, compared with 71.5 average for the past ten years. The indicated yield per acre is 26.9 bus., and total production 2,915,000,000 bus. A month ago our forecast was 2,966,000,000 bus. During August prospects improved in the heart of the corn belt, where some bumper yields are expected; but in outlying areas, both east and west of the main part of the belt, the prospects already poor a month ago, have declined still further.

A month ago our estimate of winter wheat was 437,000,000 bus., and the government estimate 442,000,000. Reports on yield per acre received this month, have not yet been computed, but seem to confirm the government figure of 442,000,000 bus. Adding to this our present forecast of spring wheat makes a total of 707,000,000 bus. A month ago our total wheat forecast was 708,000,000 and the government 723,000,000 bus.—Nat C. Murray, statistician Clement, Curtis & Co.

Corn Estimate Slightly Reduced

Chicago, Ill., Sept. 1.—The condition of corn is reported at 72.8% of normal indicating a yield of 26.5 bus. per acre and a production of 2,878,000,000 bus. This compares with our 2,983,000,000 last month. The crop shows further deterioration from heat and lack of moisture in Ohio, Michigan, North Dakota, Oklahoma, Colorado, east central and northeast Indiana, northern Illinois, parts of Wisconsin, Minnesota, South Dakota and Kansas, and much of the middle Atlantic area. There was net improvement in Nebraska, Kansas, Missouri, Iowa and Illinois where a very good crop is assured. In million bushels, South Dakota has 82, Minnesota 161, Nebraska 281, Kansas 142, Oklahoma 64, Texas 110, Missouri 192, Iowa 481, Illinois 363, Indiana 168, Ohio 124.

Spring wheat condition is 66.6% of normal forecasting a production of 269,444,000 bus. compared with our same figure last month. In million bushels Minnesota has 19, South Dakota 51, North Dakota 109 and Montana 40.

The condition of oats is reported at 73.3% of normal. This indicates a yield of 29.4 bus. per acre and production of 1,235,000,000 bus. Our estimate was the same last month.

Indicated production of barley is 294,000,000.—R. O. Cromwell, statistician Lamson Bros & Co.

Spring Wheat 251,000,000 Bus.

Chicago, Ill., Sept. 1.—Reports from our grain dealer correspondents indicate a crop of 211,000,000 bus. of spring wheat; 40,000,000 bus. of durum, making a total of 251,000,000 bus. of all spring wheat. This compares with our estimate of 246,444,000 bus. last month. Sections of South Dakota and Minnesota report the wheat turning out a little better than expected and gains are shown in Washington and Idaho, making the slight difference in bushel prospects from last month. Returns from Montana and North Dakota report yield very disappointing. This crop forecast is based on threshing returns and estimated yield per acre.

Corn: Indicated crop 2,869,547,000 bus., compared with our estimate of 2,994,000,000 bus. last month. Gains in crop prospects in Illinois, Oklahoma, Texas and Missouri were more than offset by heavy losses in other states. Losses were heavy in sections of Ohio, Minnesota, the Dakotas, Indiana and Kansas.

Oats: Crop 1,229,555,000 bus. compared with our estimate of 1,253,674,000 bus. last month. Threshing returns indicate disappointing yields in some sections, with others turning out better than expected. This estimate is 24,000,000 bus. less than our last estimate and 15,000,000 more than was forecast by the Government last month.

Barley: Very little change for the month. Crop is estimated to be 303,011,000 bus., compared with our estimate of 297,447,000 last month.—E. H. Miller, statistician, James E. Bennett & Co.

Grading of New Wheat

Federal grain supervisors at the leading markets have reported to the general field headquarters on the quality of the new wheat crop as follows:

Toledo, O.—The quality of the new crop compares favorably with that of last season with the exception that matter other than cereal grains is more prevalent and also dockage, consisting mostly of chaff. The new wheat is free from weevil and contains no storage damaged. The protein of both red winter and soft white is far below the average, which makes it ideal wheat for blending purposes. Soft white is testing as low as 8% protein.

Evidence of crop improvement is slight. Mixtures of hard winter with soft, a practice discouraged by crop improvement movements, continue this year. There appears an increase in the production of soft white and mixtures of white and red in Northern Ohio due, no doubt, to a high premium for wheat of this class during the past year. This premium applied to soft white and mixtures consisting of at least 80% white, and was offered because of the unusual high protein of red winter.—H. F. Prue.

Philadelphia, Pa.—Receipts of new crop wheat in Philadelphia are running considerably below the normal of recent years, reflecting the low yields per acre in nearby territory and a tendency by producers to hold for better prices. The average quality of the wheat has been quite good. Moisture, with few exceptions, has been low; the test weight per bushel averages above the minimum requirements for No. 2 wheat, but smut and foreign material, especially cockle, have been prevalent in a greater amount than usual. The percentage of total receipts showing smut is still high, while the degree of smut seems to have improved. That is to say, the number of cars showing a heavy smut contamination are fewer, while the number of the cars that grade "light smutty" has occurred in greater proportion than in recent years.—John H. Frazier.

Nashville, Tenn.—The average test weight of the receipts of soft red winter wheat in the Nashville market to date is 58.6 pounds. While the early receipts showed an average moisture content of approximately 13.5%, there has been a gradual reduction in the moisture and the receipts since Aug. 1 have averaged only 12.1%. The quality of the crop is very good and damaged kernels thus far have been of no importance as a grading factor. Foreign material and garlic, however, appear to be more prevalent than usual, and the former has been responsible for a comparatively large per cent of the receipts falling below the No. 1 and No. 2 grades. It is noted with considerable satisfaction that there has been an improvement in the crop in the last year or two, in that very little smutty wheat or mixed wheat has been received from the territory from which Nashville draws most of its supply. Of the total soft red winter receipts of the new crop, it is found that 7.0% have graded No. 1; 60.0%

Daily Closing Prices

The daily closing prices for wheat, corn, oats, rye and barley for December delivery at following markets for the past two weeks, have been as follows in cents per bushel:

	Wheat													
	Aug. 24.	Aug. 25.	Aug. 26.	Aug. 27.	Aug. 28.	Aug. 29.	Aug. 30.	Aug. 31.	Sept. 1.	Sept. 2.	Sept. 3.	Sept. 4.	Sept. 5.	Sept. 6.
Chicago	54	55 1/2	55 1/2	57 1/2	58 1/2	57 1/2	56 1/2	56 1/2	56 1/2	57 1/2	58 1/2	58 1/2	57 1/2	56 1/2
*Winnipeg	49 3/4	50 3/4	50 3/4	50 3/4	53	52	51 3/4	50 3/4	51 1/4	52 1/4	53	51 3/4	51 3/4	51 3/4
*Liverpool	56 1/2	57	56 3/4	57 3/4	58 1/4	59	59 1/2	58 1/4	58 1/4	59	60 1/2	59 3/4	59 3/4	59 3/4
Kansas City	47 3/4	49 1/4	48 3/4	50 1/4	51 1/4	50 3/4	49 3/4	49 3/4	50 3/4	50 3/4	51 1/4	50 3/4	50 3/4	50
Minneapolis	53 3/4	54 3/4	54 1/4	55 1/4	57 1/4	56 1/4	55 1/4	55 1/4	55 1/4	55 1/4	56 3/4	56 3/4	56 3/4	55 1/4
Duluth, durum	47 1/4	49 1/4	47 3/4	48 3/4	50 1/4	49 3/4	48 1/4	48 1/4	48 1/4	49 1/4	50	49 1/4	48 3/4	48 3/4
Omaha	46 3/4	48 1/4	47 3/4	49 1/4	50 3/4	49 3/4	48 3/4	48 1/4	49 3/4	49 3/4	50 3/4	50 3/4	50
St. Louis	53 3/4	55 1/2	55 3/4	57 1/2	58 1/2	57 3/4	55 3/4	55 3/4	55 3/4	57 1/2	57 1/2	57 1/2	57 1/2
Milwaukee	54 1/2	55 3/4	55 3/4	57 3/4	58 1/2	57 3/4	56 1/2	56 1/2	56 1/2	57 1/2	58 1/2	58 1/2	57 1/2
Corn														
Chicago	31 1/2	32 1/2	32 1/2	33 1/4	35 1/4	34 1/2	33 3/4	33 1/2	33 1/2	33 3/4	33 3/4	33 3/4	33 1/2	32 3/4
Kansas City	28 3/4	29 3/4	29 3/4	30 3/4	31 3/4	31 1/2	30 3/4	30 3/4	31 1/4	30 3/4	31 1/4	30 3/4	30 3/4	29 3/4
Omaha	24 3/4	24 3/4	24 3/4	25 3/4	27	27	26 1/2	26 1/2	26 1/2	26 3/4	26 3/4	26 3/4	26 3/4
Milwaukee	31 1/2	32 1/2	32 1/2	33 1/4	34 3/4	34 3/4	33 3/4	33 3/4	33 3/4	33 3/4	33 3/4	33 3/4	33 3/4
Oats														
Chicago	18	18 1/2	18 1/2	18 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	18 1/2
Winnipeg	24 1/2	25 1/2	25 1/2	25 1/2	25 1/2	25 1/2	25 1/2	25 1/2	25 1/2	25 1/2	25 1/2	25 1/2	25 1/2	24 1/2
Minneapolis	16 3/4	17	17 1/4	17 1/4	18 1/4	18 1/4	18	18 1/4	18 1/4	18 1/4	18 1/4	18 1/4	17 1/4	17 1/4
Milwaukee	18	18 1/2	18 1/2	19	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2
Rye														
Chicago	33 1/4	34 1/4	34 3/4	35 3/4	36 3/4	35 3/4	34 3/4	34 1/4	35 1/4	36 1/4	36 1/4	36 1/4	36 1/4	35 1/4
Minneapolis	30 1/2	31 1/2	31 1/2	32 1/2	33 1/2	32 1/2	31 1/2	31 1/2	32 1/2	33 1/2	33 1/2	33 1/2	33 1/2	33
Winnipeg	34 3/4	35 3/4	35 3/4	36 3/4	37 1/4	36 3/4	34 3/4	34 3/4	36 3/4	36 3/4	36 3/4	36 3/4	36 3/4	35 3/4
Duluth	30 1/2	32	32 1/4	33 3/4	35	34	33 3/4	33 3/4	33 3/4	34 3/4	34 3/4	34 3/4	34 3/4
Barley														
Minneapolis	24	24 1/4	24 1/4	25 1/4	26 1/4	25 1/4	25 1/4	25	25 1/4	25 1/4	25 1/4	24 3/4	24 1/4	23 3/4
Winnipeg	31 3/4	32 3/4	32 3/4	33 3/4	34 3/4	33 3/4	32 3/4	31 3/4	32 3/4	32 3/4	32 3/4	32 3/4	31 3/4	31 3/4

*Deduction made on wheat only for depreciated currency.

No. 2, and 22.0% No. 3, whereas last year, 37.0% of the early receipts graded No. 1; 56.0% No. 2, and 4.0% No. 3.—B. O. Greer.

Cincinnati, O.—Foreign material has been more of a grading factor this year than for several years. Cockle and chaff constitute the big percentage of "material other than" and total foreign material consists of cockle, chaff and rye. The increase of this factor is no doubt due to the thinness of the crop which gave the weeds a better chance to grow and mature. Total damage has been almost negligible from a grading standpoint. The average so far has been about five-tenths of one per cent, consisting principally of blighted and sprouted kernels. The only noticeable change in grading factors this year in comparison with last is the factor "material other than."—L. F. Butler.

Indianapolis, Ind.—This year's crop of wheat is notable for the large percentage of weed seeds and foreign material. Approximately 13.0% of the crop contains dockage consisting chiefly of chaff, ranging from 1.0% to 13.0%. Approximately 10.0% of the crop is grading from No. 2 to No. 4 on account of cockle; about 1.0% is grading down on account of rye. This shows a marked increase of weed seeds and foreign material over previous years. Oats are arriving in very good condition. Less than 1.0% have graded down on account of being out of condition. Most of the crop was harvested when very dry and it should be in excellent condition for storing, with little danger of its going out of condition.—C. A. Waalen.

Chicago, Ill.—The moisture content of the early run of wheat was very high, in many cases being 16 to 17%. It was the opinion of many that this was combine wheat, and after approximately a week the wheat began to arrive very dry. The average run, until just recently was about 11 to 12% moisture. During the past week, owing to the heavy rains, quite a large percentage of the receipts began to show moisture and in many cases moisture was a grading factor. This year's wheat crop, especially soft red winter, shows a much higher percentage of chaff present than previous crops. The chaff is of such a nature though that it can be easily cleaned out and assessed as dockage. Practically the only noticeable grading factor is the change from yellow hard to hard. Last year's crop ran from approximately 90 to 95% yellow hard, whereas this year yellow hard wheat only averages approximately 20% of the receipts.—C. L. Cannon.

Omaha, Neb.—The movement of the new wheat received to date is much superior to that of last year's crop and is high in dark, hard and vitreous kernels compared to a year ago when the reverse was true on this factor. In test weight, the wheat is high, the average for the 423 cars being 59.5 pounds. Very few cars are grading on moisture and, on the whole, the wheat so far received is much drier than is the usual case at this time of year. The average moisture content up to Aug. 2 was but 11.65%, which is unusually low for this time of year, and moisture as a grading factor on this crop has apparently given way to foreign material as most important next to test

weight. The foreign material content on 150 cars analyzed averaged 1.9%, and while this figure is high, it is believed no serious problem is presented in the figures.—H. E. Nelson.

Wichita, Kan.—Smut was found in approximately 4.0% of the receipts, while last year nearly 10% of the July receipts were smutty. Dockage is more prevalent this year than formerly.—R. D. Jarboe.

Kansas City, Mo.—This year's crop is showing considerably more dockage than any crop for the past several years. Approximately 16% of the receipts carry dockage and approximately 10% grading on foreign material. Total damaged has not been an important grading factor so far. Protein content is approximately 1.0% higher than last year. The average protein content of 6,338 cars of wheat tested during July by the Kansas Inspection Department was 12.80%, a new high average for any month. The previous high average was 12.79% in Aug., 1930. In July last year, the Kansas average, was only 11.78%.—M. Schuler.

E. B. Thomas of Rushville, Ind., has declined the appointment by Pres. Hoover as a member of the Federal Farm Board.

Has Only 3,000,000 Bus. Wheat Left

The Federal Farm Board, by Jas. C. Stone, chairman, announced Sept. 5 that the unsold remainder of the wheat stock of the Grain Stabilization Corporation (amounting to less than 3,000,000 bus.) will not be reduced by sales before Jan. 1, 1933, except such sales of this 3,000,000 bus. as may be made for shipment to foreign countries that otherwise would not be important buyers of United States wheat.

"In addition to this 3,000,000 bus., the corporation owns a certain amount of futures contracts which serve to absorb part of the usual hedging pressure. The present amount of futures owned will be held at least until after Jan. 1, 1933, thereby making a better market for producers than would otherwise exist."

A year ago the Farm Board had 257,000,000 bus. of wheat, of which 85,000,000 was given to Red Cross for relief by congress; 60,000,000 sold on domestic market at self-imposed limitation of 5,000,000 bus. a month during year ended July 1, last; 25,000,000 traded to Brazil for coffee; 15,000,000 sold to China; 7,500,000 sold to Germany, and 61,500,000 sold in the United States in last two months.

Grain Movement

Reports on the movement of grain from farm to country elevator and movement from interior points are always welcome.

Crandall, S. D., Aug. 30.—About 50% of the grain is held back on the farms.—J. P. Hegge, mgr. Farmers Elevtr. Co.

Receipts of wheat from farms July 1 to Aug. 24 are estimated by Russell's News to have been 123,000,000 bus., against 270,000,000 bus. a year ago.

Charbonneau, N. D., Aug. 26.—Wheat movement to market is slow due to low prices on grain.—A. T. Lillethun (mgr. Big Flat Grain Co.).

Washington, D. C., Aug. 29.—Commercial grain stocks in store and afloat in the United States Aug. 27 included 184,528,000 bus. wheat, against 261,742,000 bus. a year ago, as reported by the U. S. Dept. of Agriculture.

Chicago, Ill., Aug. 27.—The July 1 carryover of wheat in the United States which was 290 in 1930, 318 in 1931 and 362 million in 1932 will be 285,000,000 bus. on July 1, 1933, according to Gilbert Gusler, statistician of the Millers National Federation.

Spokane, Wash., Aug. 25.—About 300 wheat growers of the Genessee and Colfax-Pullman districts, across the Washington state line, pledged to hold their wheat for 60 days, or until they get 75 cents a bu. at the shipping point. This group controls about 5,000,000 bus. No. 1 wheat is now quoted at 37 cents at Genessee.—F. K. H.

Baltimore, Md.—Total wheat exports from Baltimore for the eight months ending Aug. 31 amount to 4,100,000 bus., as against 7,698,000 bus. shipped last year. The total arrivals this season of new wheat in Baltimore from tide-water counties of Maryland and Virginia are 525,000 bus. short of what they were up to the corresponding date last year. The nearby wheat crop turned out much smaller than was originally anticipated.—R. C. N.

Farm Stocks of Old Corn Large

Chicago, Ill., Sept. 2.—Stocks of old corn remaining on farms in the last week of August are estimated to be about 330,000,000 bus.; compared with 168,000,000 a year ago, 232,000,000 two years ago, and 258,000,000 three years ago; being 12.9% of last year's crop remaining, as compared with 8.1% similarly held a year ago. About 87 million bus., or 12.3% of the wheat production this year, is expected to be fed to live stock; this estimate being based upon reports made by our correspondents of the feeding expected in their respective localities. In our September circular of a year ago we published a similar estimate of 175 million bus.—Nat. C. Murray, statistician Clement, Curtis & Co.

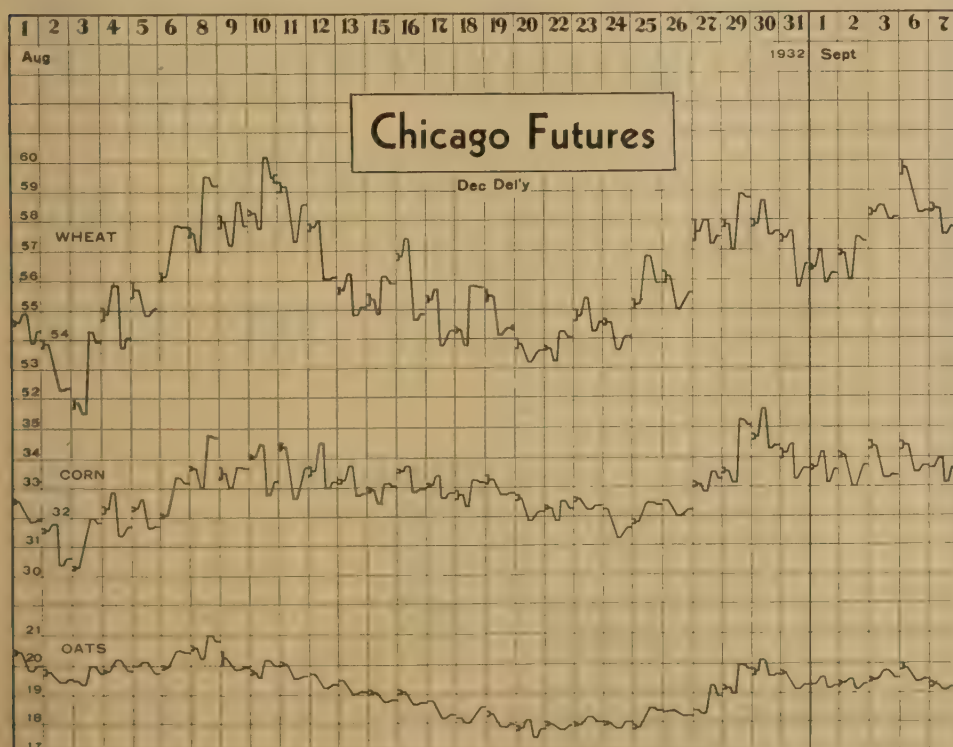
Growers Lose Selling Thru Pool

A net return of little more than 17 cents per bushel when independent elevators were paying 38 cents a bushel is the sad experience of many members of the Oklahoma wheat Pool.

T. B. Shillingburg, Forgan, Okla., turned over to the Pool 57,900 lbs. of No. 1 hard wheat, of the 1931 crop, on which the following deductions were made: freight, old, .228; local elevator handling, .035; Ass'n charge, .015 per bushel; storage, \$109.30; insurance, \$1.86; loading and unloading, \$9.65; turning, \$26.53; shrinkage, \$1.91, on the lot.

After deducting all these charges the net value was only \$144.59, on the daily Pool settlement of June 1, 1932.

C. M. Lane, of Deer Creek, another member, turned over 1,052 bus. No. 1 hard to the Pool, worth \$620.68 at the Pool price of 59 cents, but when freight, storage and other deductions were made his net return was only \$183.19. He paid the Pool \$157.76 for storage, insurance, loading and unloading, turning and shrinkage, every item of which he would have escaped by selling outright to the local dealer at 38 cents.



Grain Carriers

Ft. William, Ont.—Coal from Wales has arrived here, the first from overseas, the ship taking a return cargo of wheat.

The Steamer Pontiac has been tied up for the winter at Buffalo with a cargo of wheat, the earliest such season charter on record.

The seatrain ship New York and sister ship Havana will be launched in September at Chester, Pa., and may be a factor in car-load shipments of corn from New Orleans to Cuba. Each boat carries 100 cars.

Railway managements will ask for a reduction of more than the 10 per cent in wages that has been in effect since Feb. 1. The pay of railway workers has not been reduced in proportion to the reduction in the cost of living.

Minneapolis, Minn.—The Scroggins Grain Co. has begun suit to recover \$1,315 damages from the Inland Waterways Corporation, the government barge line, for delay in moving wheat in 1928 from St. Paul to New Orleans, the grain becoming musty in transit.

Los Angeles, Cal.—J. F. Fielding, of the Southern Pacific, told Examiners Mackley and Hall of the Interstate Commerce Commission that grain rates in California and Arizona should be 30% higher than those prescribed by the Commission for Texas and Louisiana.

Seattle, Wash.—An unusual rerouting of grain from rail lines to steamship routes in recent months has been revealed by Henry W. Moering, a department of agriculture agent, who advises that a total of 30,163 tons of 1,077,250 bus. of Mississippi valley corn has been moved from New Orleans to Seattle and Tacoma since Jan. 15th.—F. K. H.

Grain and grain products were loaded into 38,144 cars during the week ending Aug. 20, against 40,886 the week preceding and 44,741 a year ago.

Chicago, Ill.—A general investigation of the management and operation of the railroads will be begun Sept. 20 at Chicago by the Interstate Commerce Commission. Unfair discrimination by paying operators of large industrial plants for movement of freight on plant tracks to the connecting rails is alleged. Another aid to commerce by bureaucracy.

Proposed reductions in rates by the Missouri Pacific will be the subject of a hearing Sept. 26 at Kansas City before Examiner McGrath of the Interstate Commerce Commission. The tariffs would provide that rates on grain from points in Kansas on the main line to points in Missouri east of Pleasant Hill would be on the higher Missouri River basis. The reductions are to meet truck competition.

Los Angeles, Cal.—Los Angeles milling interests asked Examiners Mackley and Hall of the Interstate Commerce Commission at the recent hearing here for a reduction in rates on grain products, particularly on sorghum grain from the territory about Amarillo, Tex. The Albers Bros. Milling Co. alone buys 250 cars of grain sorghum annually from Texas to be turned into poultry feed in California.

Oswego, N. Y.—Transfer and storage charges at the state owned elevator have been reduced by Commissioner Ralph D. Hayes of the division of canals and waterways, New York State Dept. of Public Works. On grain transferred from lake vessels to canal barges or railroad cars the charge will be $\frac{1}{4}$ cent per bushel, formerly $\frac{1}{2}$ ¢. The free storage period was extended to 15 days, formerly 10 days. At Buffalo the transfer charge is 1¢ and the free storage 5 days. The service costs more than the state has been charging.

Barge Canal a Burden on Taxpayers

Mark Graves, director of the budget, state of New York, in a radio address, as bearing on tax reduction stated that it is but fair to inquire whether the \$4,000,000 annual cost of operating the barge canal is worth what the people who pay that cost get for it. Adding interest on bonds and amortization the canal costs the taxpayers over \$10,000,000 annually.

The canal is being used to only one-tenth of its 20,000,000 tons a year capacity, and the use of the canals is free, no tolls of any nature being charged, under the state constitution.

"When we talk of reducing taxes, the fundamental proposition is that of abolishing and curtailing public services and activities."

Harrison Parker, promoter at the head of the Co-operative Society of America, has been found guilty of embezzling \$100,000 of the funds of the North American Trust Co. and has been sentenced to 10 years in prison at Joliet, Ill. The public lost \$28,000,000 in the Co-operative Society, several years ago. Present-day racketeers are cleverer than Parker. They escape prosecution by calling their "take" salaries.

Decisions and New Complaints

Before the Interstate Commerce Commission:

The Light Grain & Milling Co., Liberal, Kan., has asked the Interstate Commerce Commission for \$5,287 in reparations for exorbitant rates on grain from points in Kansas and Oklahoma to stations in New Mexico.

No. 25237, Stiefel & Levy v. B. & O. By Examiner Carl A. Schlager. Reparation proposed on finding rate, corn, Mark Centre, O., to Eaton, Ind., inapplicable. Applicable rate, 11.5 cents, not unreasonable.

Complaint has been filed with the Commission by the Goldcamp Mill Co., Ironton, O., against rates on wheat from the West to the Southeast, asking for direct routing from Wisconsin, Illinois and Missouri to Kentucky, Virginia and West Virginia.



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Grain and Feed Trade News

Reports of new firms, changes, deaths and failures; new elevators, feed mills, improvements, fires, casualties and accidents are solicited.

ARKANSAS

DeWitt, Ark.—The Smith Mill is erecting a \$14,000 warehouse as an annex to its plant, which is said to be one of the largest rice mills in the world.

North Little Rock, Ark.—The old Missouri Pacific grain elevator in the railroad yards at E. Sixth St. is being taken down. It was built by the railroad in 1901, operated by the company for several years, then leased to the Bunch Milling Co. and later to the Arkadelphia Milling Co. It has not been used as an elevator for several years, the last leases using it for a warehouse and storeroom.

CANADA

Claresholm, Alta.—The Claresholm Flour & Feed Mill has been bot by Ernest Denison, of Medicine Hat, who plans to operate it night and day.

Drumheller, Alta.—A new flour mill has been completed here by the Drumheller Flour Mill Syndicate. It is a three-story building with a large cement basement and so designed as to permit of expansion in the future.

Regina, Sask.—The World's Grain Exhibition & Conference, the date of which has been changed several times, is definitely fixed for next year, the opening day to be July 24 and the closing Aug. 5. It is to be held in Regina. All entries in the competitive classes must be made on or before Jan. 31, 1933. All samples entered in the classes must be in the hands of the sec'y, Ernest Rhoades, at Regina, on or before Mar. 1, 1933.

Toronto, Ont.—The Toronto and western business of Hughson Bros. & Co., grain, stock and bond brokers, has been acquired by the Norris Grain Co., Ltd., Winnipeg, whose headquarters are in Chicago and which has offices also at Liverpool and London, England, New York, Kansas City, Toledo, and Vancouver, B. C., and which opened an office in Fort William, Ont., a few months ago. The former business will be continued by the new owners, with a private wire system between Toronto, Winnipeg and Vancouver. Henry K. Hill, former general manager for Hughson Bros., will be the eastern representative of the Norris Co. The Ottawa office of Hughson Bros. & Co. is not included in the deal and will continue as formerly.

COLORADO

Julesburg, Colo.—Joe Zersen is now the sole owner of the Farmers Elvtr. Co.'s elevators at this point, at Ovid and at Sedgwick, having bot the interest of his former partner, now deceased, from his widow, Mrs. J. C. Wagner. Mr. Zersen will continue to manage the three elevators.

ILLINOIS

Dieterich, Ill.—A custom feed grinding mill has been opened here by Cummins & Duesen.

Wyoming, Ill.—The Wyoming Grain Co. recently added a new fanning mill to its equipment.

LeRoy, Ill.—Clarence Baker has been appointed manager of the W. H. Wrigley & Co.'s elevator here.

Warsaw, Ill.—The new Farmers Elvtr. Co.'s elevator that replaces the one burned recently, is nearing completion.

Deland, Ill.—The elevator of the Deland Farmers Co-op. Grain Co. is being converted from gasoline to electric power.

Lombardville (Bradford p. o.), Ill.—A new drive has been constructed at the south elevator here, operated by Velde-Lackman Co.

Crab Orchard (r. d from Marion), Ill.—The East Side Milling Co. is reported to be planning the installation of a portable feed mill.

Lacon, Ill.—The Turner-Hudnut Co.'s elevator has been given a fresh coat of gray paint.

Nebo, Ill.—The elevator belonging to Barton & Lemmon Bros. and managed by Ross Lemmon, that burned last month, will be rebuilt.

Ursa, Ill.—The Farmers Elvtr. Co. has moved its cob burner further from the elevator, for safety's sake, and has increased the height of it.

Alta, Ill.—Charged with stealing \$88.65, belonging to the Alta Farmers Co-op. Elvtr. Co., Edward C. Albert is reported to have been arrested.

Eldorado, Ill.—The Eldorado Chamber of Commerce at its August meeting appointed a com'te to investigate the feasibility of securing a grain elevator for the town.

Ransom, Ill.—T. F. Dooley became unconscious while working at the Farmers Elvtr. Co.'s elevator, on Aug. 11, and died shortly after a doctor reached him.

Martinton, Ill.—George Etzel has resigned as manager of the Martinton Grain Co.'s elevator to take the management of an elevator at Herscher. He has been manager here for about five years.

Cairo, Ill.—Vern Livermore is now branch office manager here for James E. Bennett & Co., succeeding Lyall Hill, who was transferred to the firm's Dallas, Tex., office. Mr. Livermore came from the company's Kankakee, Ill., office.

Chester, Ill.—A short-circuited motor on the ground floor of one of the elevators at the H. C. Cole Milling Co.'s plant, on Aug. 24, caused a fire which was put out by the quick action of the fire department before any damage was done to the elevator or wheat stored in it.

Champaign, Ill.—Recent daily press reports that the University of Illinois is building a grain elevator and feed mill for experimental purposes are in error. The university has no building program whatsoever, the elevator now in use having been built only two years ago.

Osbornville (r. d. from Blue Mound), Ill.—W. D. White, engineer at the Consolidated Grain Co.'s elevator, was operating a truck hoist recently, when it fell, striking him on the shoulder. He suffered a cracked collar bone and painful injuries to his chest, but was not seriously hurt.

New Holland, Ill.—W. J. Sullivan's elevator, operating as the Sullivan Grain & Coal Co., located about a half mile west of this town, burned on the morning of Aug. 24; loss is partly covered by insurance; about 2,500 bus. of wheat and oats, all new crop grain, was in the elevator at the time.

Springfield, Ill.—James E. Bennett & Co. have opened an office in the Ridgely Farmers State Bank Bldg. in this city, the manager being Claude Costello, formerly manager of the Springfield office of Jackson Bros., Boesel & Co. This is the fourth new branch office to be established by Bennett & Co. during the last month.

Clifton, Ill.—Oscar Merkle has been appointed to take the place of the late W. A. Pegram, sec'y and manager of the Clifton Grain Co.'s elevator, whose death was reported in the last number of the Journals. Vernon Marks, who managed the elevator during Mr. Pegram's last illness, goes to Kempton to take Mr. Merkle's place.

Joliet, Ill.—Henry Thomas Truby, head of the Truby Grain Co., died at his home in this city very unexpectedly, Aug. 22, from a sudden heart attack. He had worked as usual that day at his office and came home in his usual health, the attack occurring at 5:30 in the evening. Mr. Truby, who was 78 years of age, was a native of Joliet and one of the pioneer grain dealers of the county. In 1875 he became associated with his father, Marshall Truby, in the operation of grain elevators at Birds Bridge, Joliet, and other places. Up to the time of his death he was the dean of grain buyers in this section. Mr. Truby is survived by his wife and one son, two children being dead.

Fillmore, Ill.—Dr. V. A. Bost, who recently leased the Farmers Elvtr. Co.'s elevator, is trading rye and oats for Jersey cows brot by truck from Kentucky, the farmers hauling the grain back home on their return trip. It is said that, on account of the low price of grain, it only takes about one cow to pay for a truck load of grain.

Jacksonville, Ill.—F. J. Blackburn's elevator burned at 10 p. m., Aug. 29; loss, \$35,000; covered by insurance; the elevator contained 2,000 bus. of wheat, 5,000 bus. of oats, 1,000 bus. of corn and about 7,000 bus. of mixed grain for feed. The room containing the feed grinding machinery was not damaged seriously by the fire but there was considerable water damage.

The Farm Buro crowd is showing increased activity in its campaign to install blowers at various shipping stations. Any shipper threatened with this illegitimate competition should communicate with W. E. Culbertson, sec'y of the Illinois Grain Dealers Ass'n at Delavan, Ill., or with Lawrence Farlow, sec'y of the Illinois Farmers Grain Dealers Ass'n, Bloomington, Ill., who are co-operating to head off these "Farm Board babies."

Alonzo (Goodwine p. o.), Ill.—An attempt was made to blow up the Alonzo Elvtr. Aug. 27. Amos Briggs, the manager, happened to pass the elevator Sunday morning and seeing a window open, investigated and found a fuse, made of rags, laid across the floor to a five-gallon can of gasoline that had been placed under the gasoline tank. The small can was blackened, showing that the fire had reached the can, but why there had been no explosion is a mystery. Fingerprints were taken, hoping to lead to the identification of the culprits. The elevator is owned by the Goodwine Co-op. Grain Co.

CHICAGO NOTES

Board of Trade memberships are selling at \$8,100.

Timothy J. Brosnahan, one of the founders of the firm of Thomson & McKinnon and a member of the Chicago Board of Trade, died recently at his home in Westport, N. Y.

Edward B. McNellis, who was a grain operator on the Board of Trade for over 50 years, died Aug. 10, at the age of 75 years. Recently he had been manager of a stationery firm.

George Saunders, member of the Board of Trade for 25 years and associated with J. S. Bache & Co. for the past several years, has joined Abbott, Hoppin & Co., in charge of the commodity department.

John J. Monahan, a member of the Board of Trade for many years, died Aug. 23, at his home in this city, following a short illness. At the age of 16 he started work in a grain broker's office as an office boy, and had been a trader himself for over 40 years. Mr. Monahan, who was 67 years of age, is survived by his widow and one daughter. The death of a son, August R. Monahan, several years ago, was a constant grief to him.

Recently elected members of the Board of Trade are: Ernest M. Gallup, J. A. McDonnell, Lloyd W. Georgeson, Frederick A. McClellan, Geo. W. McCallum, William McKenna, Edward J. Hilson, Andrew J. Berens, who has bot the membership of Edward F. Bowman, Jr., of New Orleans, Charles D. Culbertson, Burford L. Porter, Joseph Klingenstein, Legg & Co. (of Baltimore, Md.). Memberships transferred: Henry L. Ruppert, Harold A. Wampler, Arthur Reynolds, John Hayes, Richard G. Watson, Otto Seum, Thomas M. Blake, Jerry C. Moats, Estate of Adolph E. Norden. Changes in registration of members: Edson S. Woodworth, registered as pres. Concrete Elvtr. Co., Minneapolis (was registered as pres. E. S. Woodworth & Co.); John H. Ball, registered as vice-pres. Farmers National Grain Corp.; Joshua M. Chilton, registered for own account, care Archer-Daniels-Midland Co., Minneapolis (was registered as vice-pres. Farmers National Grain Corp., Chicago).

David A. Noyes & Co., grain and stock brokers, opened a new branch office on Sept. 1 in the Daily News Bldg., with George R. Cronin, formerly with the Reconstruction Finance Corp., as manager.

INDIANA

Côtesville, Ind.—A hammer mill and corn sheller have been installed by the Farmers Supply Co. in its store.

LaGrange, Ind.—The Home Grain Co. has installed a 10-ton scale at its elevator and has remodeled the interior of its office.

Darlington, Ind.—Thieves broke into the office of the Farmers Feed & Grain Co. recently, but got nothing. Some damage was done by them to equipment.

Auburn, Ind.—J. C. Provines, manager of the Kraus & Apfelbaum Elvtr. here, announced recently that the elevator would be closed indefinitely on Aug. 23.

Sharpsville, Ind.—A. J. Smith, who bot the elevator here this spring for the second time, has sold it again and is moving his family to their farm near Fillmore.

Fishers, Ind.—Fishers Grain Co., Inc., is the new name under which the elevator formerly operated as McComas & Pritchard is now operated. P. W. McComas is one of the members of the new firm.

Monroeville, Ind.—L. S. Brandon, former manager of the Van Wert Grain Co.'s elevator at Van Wert, O., and Leslie A. DeBolt, of Rockford, O., have bot H. D. White's elevator here, on the P. R. R., and are operating it under the name of the Cash Grain Co. Mr. Brandon is in charge.

Cromwell, Ind.—M. L. Hussey, who has been engaged in the grain and seed business here for 51 years, died Aug. 16, after an illness of only one day. Mr. Hussey, who was 77 years of age, is survived by his widow and two sons, one of whom was associated with his father in the drug business.

Morocco, Ind.—Walter C. Atkinson and John Colborne have purchased the Morocco Grain Co.'s elevator, which has been operating as a co-operative for the past 17 years. The new owners, who also operate the Morocco Lbr. Co. and the Enos Grain Co., Enos (Morocco p. o.), will operate in Morocco under the name of Morocco Grain & Lbr. Co.

Middletown, Ind.—Earl Walker, proprietor of the Middletown Grain Co., has been made defendant in a \$10,000 damage suit brought by the father of John Wood, a 14-year old boy, because he was searched after the disappearance of a \$10 bill from the cash drawer in the office of the grain company. The father claims that the boy was detained falsely and placed under suspicion.

Oxford, Ind.—Clinton O. Hawkins, who at one time was engaged in the grain business here for about 20 years, died at a hospital in Indianapolis on Aug. 16, after an illness of several weeks. He never fully recovered from a goitre operation four years ago. For the last four years he had made his home at Flora, Ind. Mr. Hawkins, who was 50 years of age, is survived by his widow, two sons and one daughter. Burial was at Oxford.

Indianapolis, Ind.—The Acme-Evans Milling Co. has completed 20 additional concrete grain storage tanks, having a capacity of 150,000 bus., replacing the elevator burned last December, giving the company a total capacity of nearly 1,000,000 bus. The first wheat was placed in the new tanks on Aug. 10. The equipment is of the most up-to-date type and includes rapid handling equipment, a thermometer system and a pneumatic aeration system for keeping the grain in condition and preventing spoilage. The new tanks are 110 feet high.

Colfax, Ind.—Henry Heilman, an employee of the Lake & Reagan Elvtr., was seriously injured while trying to start the big gas engine Aug. 16. No one witnessed the accident, but it is believed that Heilman had turned the engine to the combustion point, and having left the throttle open, was caught in the flywheel when a premature explosion started the engine, which threw him against the wall. He managed to crawl to the outside, where he was picked up unconscious. He sustained several fractured ribs and a slight concussion at the base of the brain, besides many bruises about the body. It was that he would recover.

IOWA

Brandon, Ia.—The feed house of the Brandon Co-op. Exchange's elevator was damaged by fire recently.

Fort Madison, Ia.—Laswell & Sons are now operating the feed mill formerly known as the Moone Mill.

Ames, Ia.—The Ames Grain & Coal Co.'s office was ransacked during the night of Aug. 24, but nothing was taken.

George, Ia.—The Farmers Elvtr. Co. recently improved its equipment by the addition of a new corn cracker and grader.

Ellsworth, Ia.—The Ellsworth Grain Co. is painting its elevator a pleasing gray and doing some repairing.—Art Torkelson.

Richards, Ia.—Charles Wiedeman has been appointed manager of the Richards Elvtr. Co.'s elevator, succeeding Pat Brown, resigned.—Art Torkelson.

Boone, Ia.—If the city zoning law is amended to permit of it, E. M. Samuelson will build a 7,000-bu. elevator on the C. M. & St. P. right-of-way north of the depot.

Winterset, Ia.—M. Young & Co. recently installed complete equipment for the manufacture of molasses cattle and hog feeds, which will be sold under their own brand.

Coon Rapids, Ia.—We have repaired our elevator, R. W. Hall doing the work. We have had a very good year 1931-32 to date.—Wm. Grettenberg, W. M. Grettenberg Grain Co.

Palmer, Ia.—Wm. Weigert, manager of the Farmers Co-op. Co.'s elevator here, joined the list of benedicts Aug. 12 when he was united in marriage to Miss Eva Anderson, local restaurant operator.—Art Torkelson.

Fenton, Ia.—The Fenton Elvtr. was one of four places of business burglarized Aug. 19. Being unable to open the door of the safe, the robbers were apparently attempting to move it out of the office to a truck, but it broke thru the office floor and was abandoned.

Oakwood (Marble Rock p. o.), Ia.—Harry J. Thompson, of Floyd, has been appointed receiver of the Farmers Grain Ass'n, which, as reported in the Journals' last number, voted recently to dissolve. Assets of the ass'n, which total \$10,480, will be disposed of and the proceeds distributed among the stockholders.

Greenville, Ia.—The elevator here owned by Mr. Skewis, of Tacoma, Wash., and operated by the E. W. Oates Co., of Storm Lake, burned in the afternoon of Aug. 17; loss, \$12,000; covered by insurance; 20,000 bus. of oats and barley were destroyed. The fire started from a spark on the roof from the exhaust pipe of the elevator engine, it was reported.

Raymond, Ia.—The Raymond Co-op. Merc. Co.'s elevator and the Illinois Central Railroad station burned at 4 a. m., Aug. 20; 800 bus. of corn and 300 bus. of oats were destroyed. Loss on the elevator proper was estimated at \$2,500, on grain \$300 and on feed warehouse and office attached to the elevator \$700; no insurance was carried on the elevator, and it will probably not be rebuilt. The office records were saved.

Ft. Dodge, Ia.—T. E. Gilbert, former correspondent of Beach, Wickham & Co. at Waterloo, Ia., has formed a partnership here with R. C. Pierce in the grain business, operating under the name of Pierce-Gilbert Grain Co. Mr. Pierce has been in the grain business in this city for a number of years, formerly a partner in the firm of Beach & Pierce and later manager here for Beach, Wickham & Co. The Pierce-Gilbert Grain Co. succeeds Beach, Wickham & Co. at this point. Offices will be in the Snell Bldg. The company will have membership in the Chicago Board of Trade, will have a private wire and act as correspondents for Beach, Wickham & Co., of Chicago.

Davenport, Ia.—James Van Nice, manager of the Victoria Elvtr. Co.'s elevator here, was married at the "little Brown Church in the vale" at Nashua, Ia., to Miss Kathryn Strathmann, of this city, on Sept. 4.—Art Torkelson.

Whitten, Ia.—The G. D. Mable Grain Co.'s office was entered by thieves, one Saturday or Sunday night last month, who forced open one of the drawers on the inside of the safe which was locked and took from it some private papers. Nothing else in the office was taken.—Art Torkelson.

Knierim, Ia.—John Engleman, retired grain dealer, former manager of the Knierim Farmers Grain & Coal Co., was held up in his home and robbed of \$346 recently. One man remained outside the house in a car while the other rifled Mr. Engleman's pockets.—Art Torkelson, with Lamson Bros. & Co.

Toledo, Ia.—The Toledo Grain Co.'s elevator was damaged by fire at 2:45 a. m., Sept. 5, from an unknown cause, the fire starting in either the basement or first floor; both building and contents were covered by insurance; several thousand bushels of grain stored in the elevator was damaged more by water than by the fire, and it was that much of it could be salvaged. One cleaning machine was destroyed by the fire.

KANSAS

Wichita, Kan.—The C. E. Jones Grain & Elvtr. Co. has been incorporated.

Ferguson, Kan.—J. H. Caton's elevator burned Sunday night, Aug. 14, from unknown cause. This is the third elevator Mr. Caton has lost by fire.

Johnson, Kan.—Lee Crawford, formerly manager of the Equity Elvtr., Garden City, Kan., was recently appointed manager of the Johnson Co-op. Grain Co.'s elevator.

Topeka, Kan.—The Inter Ocean Mills, that have been closed since last September, resumed production at their full capacity of 1,200 barrels per day about the middle of last month.

Salina, Kan.—The Salina Board of Trade has admitted to membership the Southwest Co-op. Wheat Growers Ass'n, which opened offices here recently, on transfer from A. H. Hoffman.

Wichita, Kan.—Among recent new members of the Board of Trade is M. E. Schulz, reported in a recent number of the Journals as having entered the feed and flour brokerage business here under the name of the Schulz System.

Whitewater, Kan.—Contract has been let for a 110,000-bu. addition to the grain storage capacity of the Whitewater Flour Mills Co., to be of re-inforced concrete construction. It doubles the present storage capacity of the company.

Lucas, Kan.—F. Murray, claiming to represent the American Fire Equipment Co. (no address given), recently sold a second-hand Fire Fyter extinguisher to L. M. Dinsmoor as new. However, investigation disclosed the fact that this equipment was shipped from factory six years ago.

Winchester, Kan.—Joe East's elevator, together with 600 bus. of wheat, a considerable quantity of corn and a supply of millfeeds, burned Aug. 19; insurance, \$2,000 on building and \$1,000 on contents. Children playing with matches near the elevator are believed to have been the cause of the fire.

Council Grove, Kan.—Harold S. Taylor, who has been operating the Farmers Elvtr. Co.'s elevator at Eskridge, Kan., has leased the elevator here recently bot by W. H. White, as reported in the last number of the Journals. The house is known locally as the United Farmers Elvtr., also as the Fraley Elvtr.

Adair-Morton Grain Co.

Wichita, Kansas

WHEAT-CORN-OATS-KAFIR

KANSAS ELEVATOR CO.

TOPEKA, KAN.

Storage Capacity 750,000 Bus.

Buyers and Sellers of Milling Wheat and Coarse Grains

Phone or Wire

Western Grain Dealers Mutual Fire Ins. Co.

Hubbell Bldg. Des Moines, Ia.

Call or Wire

Our Expense for Immediate
Protection on

Elevators—Grain—Dwellings
Lumber Yards—Merc. Property

Ness City, Kan.—Leo P. Franz has bot machinery for a 50-barrel flour mill, which he is installing in a building he owns.

Esbridge, Kan.—The Farmers Elevtr., owned by the Security Bank, may be closed temporarily, it is reported. Harold S. Taylor, who has been manager for some time, has leased an elevator at Council Grove, giving up his position here Sept. 1, and the bank is said to have no immediate plans for replacing him.

Pollard (Lyons p. o.), Kan.—The Central Kansas Milling Corp. (successor to the former Central Kansas Milling Co.), the incorporation of which was reported in the last number of the Journals, is managed by Fred Long. The company writes: "We have sold some of the country elevators and will only operate the Pollard elevator at the present time. The capacity of this elevator is 15,000 bus., and it is located on the Frisco Railroad. John Speck will be elevator manager."

KENTUCKY

Campbellsville, Ky.—The Farmers Mill, owned by the Taylor County Milling Co., a stock company, was sold at auction on Aug. 22, also the wheat, flour and other mill products, to Ira Tucker, of this city.

LOUISIANA

New Orleans, La.—Al Newman, recently transferred to this city by the Anheuser-Busch Co., is reported to be suffering with pneumonia.

MARYLAND

BALTIMORE LETTER

George B. Ready is no longer connected with the Delmarva Grain Co.—R. C. N.

Legg & Co., for many years engaged in the grain, flour and hay trade, have purchased a membership on the Chicago Board of Trade.—R. C. N.

Harry C. Jones, formerly in the grain export business in this market, has filed formal application for appointment to the postmastership of Baltimore.—R. C. N.

Louis P. Goldsborough, oldest grain broker of Baltimore and also a member of the Chicago Board of Trade, is reported to be confined to his bed with high blood pressure.—R. C. N.

Up to August 31 more than one hundred cars of Red Cross flour had been received in Baltimore for distribution by the welfare agencies among the unemployed and needy.—R. C. N.

The steamship "Jaboatao" cleared from Baltimore Sept. 3 with a cargo of 107,664 bus. of No. 2 hard winter wheat, exported by the Grain Stabilization Corp. to Brazil. This is another remnant of the wheat-for-coffee deal.—R. C. N.

Earle C. Wight, assistant general freight agent of the Baltimore & Ohio Railroad Co., and a member of the Baltimore Chamber of Commerce, died at his residence here, on Sept. 3. His office brot him in daily contact with grain, flour and feed merchants on 'Change here, by all of whom he was highly regarded because of his willingness at all times to unravel difficult situations.—R. C. N.

MICHIGAN

Riga, Mich.—The Blissfield Co-op. Elevtr. Co. has installed a new improved ear corn crusher and feed regulator.

Dexter, Mich.—D. E. Hoey & Sons have installed a new Nickle ear corn crusher-feeder for their custom hammer grinding mill.

Albion, Mich.—Ralph Clark is looking after business at the Albion Elevtr. Co.'s elevator during the absence of John Boyd, who is ill.

Orleans, Mich.—Wingeler & Runciman, of Lowell, have opened the elevator here, formerly operated by M. L. Stout, which has been closed for some time.

Lum, Mich.—The Lum Elevtr., which was recently purchased by Lapeer interests, is opening for business under the management of H. L. VanWagoner, of Lapeer.

Rochester, Mich.—The Rochester Elevtr. Co. is installing an attrition feed mill with a double feeder that crushes ear corn and feeds it simultaneously along with small grain.

Sandusky, Mich.—The Watertown Co-op. Elevtr. Co. has overhauled its custom feed grinding plant and installed a new hammer mill feeder that proportions ear corn with small grain.

Oak Grove, Mich.—H. W. and C. A. Peavy have purchased the elevator here, formerly operated by the Michigan Milling Co. and closed for some time, and re-opened it, placing Oscar Rohrabacher in charge.

Nashville, Mich.—Asa Strait & Son have completed installing one of the most up-to-date alfalfa mills in the country. It is said to be the only mill in Michigan which makes alfalfa leaf meal. All grades of meal for poultry, hogs, cattle, horses and rabbits are manufactured.

Bay City, Mich.—Emerson G. Woolfitt, manager of the Bay City Grain Co. here for many years, died at his home in Flushing, Mich., to which place he moved two years ago, very unexpectedly from a heart attack, Aug. 22. He is survived by his widow, two sons and three daughters. He was 52 years of age.

Gladstone, Mich.—The Cargill Grain Co. plans to again store grain in the large terminal elevator here, which has been empty for nearly a year, several thousand bushels of grain having been removed shortly after the land on which the elevator stands was transferred to the Ford Motor Co. by the Soo Line Railroad. Two truckloads of machinery and a crew of men arrived here on Aug. 27, the men starting work immediately on getting the elevator in shape and setting up the machinery. The grain will arrive by boat, being conveyed from the hold of the boats to the bins of the elevator by machinery.

MINNESOTA

Osseo, Minn.—Arnold Emholtz is erecting an addition to his feed mill.

Odessa, Minn.—The elevator of the Farmers Elevtr. Co. has been newly painted.

Brushvale, Minn.—The driveway of the Farmers Grain Co. was recently replanked.

Hinckley, Minn.—The North Branch Milling Co. has installed a new mixer at its local plant.

Twin Valley, Minn.—The driveway of Henry Vehle's elevator has been repaired and the office painted.

Alden, Minn.—The manufacture of alfalfa meal has been started at the mill here. William Morin is manager.

Clearbrook, Minn.—The elevator of the Farmers Elevtr. Co. has recently been painted and other repairs made.

Minneapolis, Minn.—Elevtr. "K," owned by the Sheffield interests, has been bot by the Archer-Daniels-Midland Co.

North Branch, Minn.—The North Branch Milling Co. is installing a new feed mixer having a capacity of one ton.

Kent, Minn.—A metal storage bin has been added to the equipment of the Kent Farmers Elevtr. Co.'s elevator.

Renville, Minn.—The T. E. Ibberson Co. has installed an improved dump in the Pacific Co.'s elevator at this station.

French (Fergus Falls p. o.), Minn.—The Farmers National Grain Corp. has taken over the French Trading Co.'s elevator.

Bricelyn, Minn.—The Farmers Elevtr. Co.'s office was broken into recently and the thieves made way with \$80 from the safe.

Parkers Prairie, Minn.—A new feed mill building, 24x30 feet, has been erected adjoining the Penrose Elevtr. Co.'s elevator.

Blue Earth, Minn.—The new 15-ton dump scale at the Farmers Elevtr. Co.'s elevator has been equipped with a weightograph.

Osakis, Minn.—A new batch mixer has recently been installed in the Osakis Feed Mill, of which Ed Pollock is the manager.

Lyle, Minn.—The Hunting Elevtr. Co. has leased its local house to Nick Severson, who was the local buyer for the company.

Battle Lake, Minn.—The foundation and siding of McCabe Bros. Co.'s local elevator have been repaired and the elevator painted.

Winthrop, Minn.—E. W. Ronning and Leonard Zettel have organized a new firm here, to be known as the Winthrop Grain Co.

Sauk Center, Minn.—E. A. Caye has succeeded Charles Perkinson as manager of the elevator of the Farm Service Stores, Inc., here, Mr. Perkinson having bot the Pangburn Seed House. The company's elevator and feed mill have recently been painted.

Hopkins, Minn.—The Farm Service Stores, Inc., have installed a Jacobson "Economy" Magnetic Separator at their elevator.

Hitterdahl, Minn.—New cups and cup belt were recently installed at the elevator of the Farmers Elevtr. Co. and other repairs made.

Frost, Minn.—Burglars entered the office of the Farmers Elevtr. Co.'s elevator several weeks ago, broke open the safe and stole about \$13.

Lake Park, Minn.—The pit and leg of the Farmers Elevtr. Co.'s elevator have been repaired and other improvements made about the elevator.

Austin, Minn.—E. T. Bemis has bot the local Hunting Elevtr. Co.'s elevator and will operate it in connection with his present grain and coal business.

Grand Rapids, Minn.—Repairs will be made at the Grand Rapids Mill, a new shipping scale being added. The T. E. Ibberson Co. will do this work.

Detroit Lakes, Minn.—The driveways and approaches to the Detroit Grain & Fuel Co.'s elevator have been repaired and the outside scale overhauled.

East Grand Forks, Minn.—New coal bins on a concrete base and having a capacity of 160 tons have been erected at the elevator of the Farmers Elevtr. Co.

Hutchinson, Minn.—H. Jensen is the new manager of the Farmers Elevtr. Co.'s elevator, succeeding Harry Walker, now with Farm Service Stores, Inc.

Minneapolis, Minn.—Among recent applicants for membership in the Chamber of Commerce is Max Goldberg, of the Farmers Elevtr. Co., Moorhead, Minn.

Fertile, Minn.—The local elevator of the Monarch Elevtr. Co. has been given a new coat of paint. The Farmers Elevtr. Co.'s elevator has also been painted.

Butterfield, Minn.—After managing the Farmers Elevtr. Co.'s elevator here for 28 years, D. A. Nickel, who has been in poor health for about a year, has resigned.

Sleepy Eye, Minn.—John Geschwind is the new manager of Kansas City Flour Mills Co.'s elevator here, headquarters of the company being at Kansas City, Mo.

Moorhead, Minn.—Work has been completed on the construction of four silo-stave grain tanks, having a capacity of 25,000 bus., for the Moorhead Farmers Elevtr. Co.

Duluth, Minn.—The Duluth Universal Milling Co. is installing a Jacobson "Ajacs" hammer mill for grinding the mill run of screenings. This is driven thru a tex-rope drive.

Wilder, Minn.—A section of the east elevator owned by the Hubbard & Palmer Co. and managed by O. A. Nesseth, collapsed recently on account of the weight of the flax in the bins.

South Haven, Minn.—W. A. Nelson has succeeded N. A. Brown as manager of the Osborne-McMillan Co.'s elevator at this point, Mr. Brown having gone into the restaurant business at Kimball.

Tyler, Minn.—Herluf Utoft's elevator burned at about 5:30 a. m., Aug. 18, from an unknown cause. About 10,000 bus. of grain was destroyed also. The feed grinding building and the coal bins were saved.

Tracy, Minn.—C. W. Krogstad, former manager of the Hazel Run Produce Co.'s elevator at Hazel Run, Minn., has succeeded Guy Hollenbeck as manager of the Farmers Co-op. Elevtr. Co.'s elevator here.

Clinton, Minn.—The Farmers National Warehouse Corp. [formerly the Clinton Farmers Elevtr. Co.] has installed an improved dump. Ray Beaty did the installing.—Farmers National Warehouse Corp., L. A. Anderson, mgr.

Round Lake, Minn.—Ed Tripp, who managed the Farmers Grain & Merc. Co.'s elevator here until failing health caused him to retire, died Aug. 5, at the age of 82 years. He is survived by his wife, two daughters and five sons.

Clinton, Minn.—Referring to the rule recently made by the elevators at this point not to make final settlement for grain until a release from the thresher to the owner of the grain has been produced, as reported in the Journals' last number, L. A. Anderson, manager of the Farmers National Warehouse Corp.'s elevator (formerly the Clinton Farmers Elevtr. Co.'s elevator), writes: "We require thresher's release before making full settlement for grain delivered, especially from parties that are not good and responsible. Under the present law this is about the only safeguard applicable."

Duluth, Minn.—Grover C. Wilson has been chosen to succeed Benjamin J. Stockman, resigned, as a director of the Duluth Board of Trade.

Slayton, Minn.—The name of the R. E. Jones Co., engaged in selling grain, seed, feed and coal, has been changed to the J. G. Dill Co. In 1926 the Jones Co. sold out to the Dill Co., of Wabasha, Minn., which also purchased the right to use the firm name of the Jones Co., which it continued to do up to the present.

Montevideo, Minn.—The old Chippewa Mill, owned by D. F. Chandler, which consisted of a 300-barrel flour mill and a 30,000-bu. elevator, is being dismantled. The buildings are now used for feed grinding and for storage and the Northern States Power Co. has leased the power plant. Over half the machinery of the former plant has been sold by Mr. Chandler.

Huntley, Minn.—The Hunting Elvtr. Co.'s elevator here, C. F. Craven manager, was reported to have received orders, about the middle of August, to stop buying grain, similar orders having been given to all the company's elevators in this section of the state. No reason was given and it was believed that the order was only temporary. The local elevator has been conducting all other business as usual, the feed mill operating on schedule.

Duluth, Minn.—Recent new members of the Board of Trade include R. C. Chiller, of the Farmers National Grain Corp.; R. V. Gray, of Eli Salyards & Co., and John MacMillan, Jr., of the Cargill Elvtr. Co., the last named on transfer from N. C. Clark. Application has been made by J. Juul, of Minneapolis, for transferring to himself the membership of B. Stockman, former vice-pres. of the Duluth-Superior Milling Co. but now retired.

MISSOURI

Jameson, Mo.—Homer McNeel and Carl Scott have opened a new feed mill in a cement block building near the depot.

Seneca, Mo.—The Z. Lawson Mill & Elvtr. Co.'s new feed, meal and flour mill was opened during the latter part of August. This replaces the mill that burned a few months ago. It is a large ironclad building adjoining the Lawson elevator on the north.

St. Louis, Mo.—Edw. P. Costello, who has been traffic commissioner for the Merchants Exchange for the past five years, resigned his position Aug. 31 to become traffic manager for the Acme-Evans Milling Co., at Indianapolis, Ind.—C. B. Rader, sec'y Merchants Exchange.

Independence, Mo.—George W. Hoyland, Inc., started its new plant for manufacturing cereal and grinding whole wheat, early this month. The plant, which is a three-story concrete structure, was formerly under Mormon ownership and was known as the Good Morn Products Co.

KANSAS CITY LETTER

Norman C. Hall, Jr., of the Lathrop-Marshall Grain Co., was married, on Aug. 17, to Miss Estelle M. Fite, also of Kansas City.

The Washburn-Crosby Co.'s flour mill was struck by lightning during a recent severe storm, but the only damage done was the burning out of the distributors.

Kansas City, Kan.—The L. C. Worth Commission Co.'s small feed mill at 12 State Line burned Aug. 29; loss, \$13,500; covered by insurance. The Worth Co.'s main plant is at 925 State Line.

Thomas Nelson Birch, a resident of this city for 50 years, and associated with the Nelson Grain Co. for years, until the firm retired from business, died in the Lakeside Hospital Aug. 14. Mr. Birch, who was 72 years of age, had been in ill health for five years.

L. C. Worth, of the L. C. Worth Commission Co. and a member of the Kansas City Board of Trade, has bot an improved 80-acre farm at Blue Springs (which is in the same county as Kansas City), planning to use part of it in experimental work related to his business, which includes the operation of mixed feed and hay yards.

Memberships in the Kansas City Board of Trade have been purchased recently by the Quaker Oats Co. of Chicago; the Western Star Mill Co., of Salina, Kan., and the International Milling Co., of Minneapolis, the prices paid ranging from \$4,000 to \$4,500. The Quaker Oats membership is in the name of James C. Murray, on transfer from Gray Silver.

Kansas City, Kan.—The feed plant of the Success Mills, Inc., in the central industrial district of this city, burned Aug. 21; loss, estimated at \$250,000; covered by insurance. The plant had a daily feed capacity of approximately 12 cars, and was in operation, with the night crew in charge, when the fire broke out, believed to have been caused by an overheated motor or a short circuit. About 30,000 bus. of grain, stored in the wooden bins adjoining the plant, was destroyed also. The plant, which had only been built three years, will be replaced, the company's feeds being manufactured elsewhere in the meantime. Leonard Morris, who had charge of the poultry fatterer department of the plant, died Friday night, just two days before the fire, in St. Mary's Hospital, from peritonitis following an operation for appendicitis.

MONTANA

Lindsay, Mont.—At the Occident Elvtr. Co.'s local elevator a drive rope broke recently.

Hogeland, Mont.—J. Hoag, of Scobey, has taken charge of the St. Anthony & Dakota Elvtr. Co.'s elevator that has been closed the past year.

Hodges, Mont.—The local elevator of the International Elvtr. Co., which was closed last season, has been opened. The manager is R. F. Tennant.

Homestead, Mont.—Gilbert Bratvold, of Grenora, N. D., has been appointed manager of the Farmers Elvtr. Co.'s elevator, succeeding M. B. Larson, who has gone to Wibaux.

Culbertson, Mont.—Lyman Moore, former manager of the Imperial Elvtr. Co.'s elevator here, has gone to farming and has been succeeded by Mr. Bonbriet as manager.

Intake, Mont.—The former Farmers Grain Co.'s elevator, which has been taken over by the Farmers National Warehouse Corp., has been re-opened, with E. K. Babcock as manager.

Stipek, Mont.—The International Elvtr. Co.'s elevator was reopened the middle of July under the management of Floyd Johnson, manager of the New London Milling Co.'s elevator at Viborg, S. D., last year.

Brockway, Mont.—The elevator of the International Elvtr. Co. (headquarters Duluth, Minn.) at this point is now managed by Reese Owens, former manager of the Wibaux Co-op. Co.'s elevator at Wibaux.

Loring, Mont.—The Occident Elvtr. Co. has opened its local house, closed during the past year, and placed George Grayson, former manager of the Sheridan Milling Co.'s elevator at Antelope, Mont., in charge.

Lewistown, Mont.—The Montana Flour Mills Co., which recently purchased the defunct Judith Milling Co.'s 600-barrel mill here, will reopen it this fall, after a shutdown of two years. The mill is now undergoing repairs.

Sidney, Mont.—The Montana Central Elvtr. Co., whose headquarters are in Minneapolis, Minn., re-opened its local elevator early in August, with Frank Rodenberg as manager. The Occident Elvtr. Co. also re-opened its house, closed last season, with S. L. Hood again in charge.

Savage, Mont.—The Farmers National Grain Corp. has overhauled the elevator and rebuilt the driveway of the former Farmers Union Co-op. Elvtr. Co.'s elevator, which it recently took over and re-opened, placing Axel E. Borg, formerly with the Farmers National at Enderlin, N. D., in charge as manager.

NEBRASKA

Bridgeport, Neb.—It is reported that a new farmers elevator company is being organized here.

Secular-Bishop Grain Co.

Consign Us

Kansas City

Omaha

Stratton Grain Company

ST. JOSEPH, MO.

**Southwestern Wheat and Corn
Operating Stratton Elevator
2,000,000 Bus. Capacity**

Western, Neb.—A new gas filling station has been installed by the Farmers Elvtr. Ass'n here in connection with its grain business.

Emerson, Neb.—The local plant of the Crowell Lbr. & Grain Co. is being enlarged by the use of lumber and machinery taken from its elevator at Nickerson, which is being taken down.

Nickerson, Neb.—The Crowell Lbr. & Grain Co.'s elevator, one of the town's oldest business establishments, is being razed. The company is using some of the machinery and lumber in its plant at Emerson.

Omaha, Neb.—The Nebraska Grain Dealers Ass'n has announced that its annual convention will be held here on Nov. 3-4, while reduced railroad rates for the Ak Sar Ben Livestock Show are in effect.

NEW ENGLAND

Worcester, Mass.—One warehouse of the Worcester Grain Co. was destroyed and the interior of a larger one, filled with hay, straw and other products, was badly damaged by fire on Aug. 14; firemen succeeded in saving a third warehouse; loss, \$10,000.

NEW MEXICO

Farley (Mount Dora p. o.), N. M.—A new elevator is being erected near the Santa Fe tracks here.

NEW YORK

Lyons, N. Y.—Lightning slightly damaged the plant of Vanderveer & Coleman, Inc., recently.

Baldwinsville, N. Y.—The Mercer Milling Co. recently added a duplex corn cracker and grader.

New York, N. Y.—Cecil C. Borden, of the Cargill Grain Co., Inc., is a new associate member of the Produce Exchange.

Buffalo, N. Y.—An office has been opened in this city by the Checkerboard Elvtr. Co., of St. Louis, a subsidiary of the Ralston-Purina Co.

Buffalo, N. Y.—Friends of Herbert Morey, who has many in the grain and feed trade of this city, were glad to see him again on the Corn Exchange late in August, after his recent serious illness.

Oswego, N. Y.—Some changes will be made in the New York State Elvtr. here, in order to make it more efficient, including overhauling of the electrical fittings and wiring and the installation of new electric drives and motors.

Cayuga, N. Y.—The Beacon Milling Co.'s poultry research farm was visited by fire on Aug. 16; loss, \$10,000. The property destroyed included supplies, tools, office equipment and records, a large brooder house, barn, pump house and several hundred chickens. Rebuilding is contemplated.

Poughkeepsie, N. Y.—The Reynolds Elvtr. Co., Inc., which has been in business since 1886, has sold its business to Feed Service, Inc., which will continue it at the present address, retaining Lewis H. VanVlack, who has been with the Reynolds Co. for 48 years, and also other employees.

Buffalo, N. Y.—Paul F. Pitt, formerly with Mann Bros. Co., and Carlton J. Meyer, in the grain business for 25 years and with Wilson Bros. for six years, have formed the grain brokerage business of the Frontier Feed & Grain Co. and started operations the first of this month in the Chamber of Commerce Bldg.

NORTH DAKOTA

McVile, N. D.—Homer Knauss has taken the management of M. F. Swanson's elevator.

Van Hook, N. D.—The Aetna Grain Co.'s elevator burned late in August; loss, \$10,000.

Dore, N. D.—New cups and cup belt have been installed at the Farmers Elvtr. Co.'s elevator.

Horace, N. D.—A 25-h.p. engine was recently installed in the Farmers Elvtr. Co.'s elevator.

Emmet, N. D.—T. Boher is the manager of the re-opened Barrows Elvtr. Co.'s elevator here.

Cando, N. D.—The foundation supports of the Monarch Elvtr. Co.'s elevator have been repaired.

Wolseth, N. D.—The Victoria Elvtr. Co.'s elevator has been opened again. J. N. Jahr is manager.

Berwick, N. D.—New cups were recently installed in Patrick Morrissey's elevator.

Belfield, N. D.—A new leg has been installed at the Occident Elvtr. Co.'s elevator.

Granville, N. D.—The elevator owned by W. M. Murphy has been opened after being closed for a year.

Rugby, N. D.—The sides and roof of the Rugby Milling Co.'s elevator have been covered with metal.

Heaton, N. D.—The new agent at the Farmers Elvtr. Co.'s elevator is Mr. Gehhart, of Emden, N. D.

Milton, N. D.—The new manager of the Farmers Elvtr. Co.'s elevator is Andrew J. Sjolseth, formerly of Minot.

Rolla, N. D.—The Imperial Elvtr. Co. has appointed James Berthoff manager of its local elevator. He came from Knox.

Zeeland, N. D.—Levi & Boschee have rented the elevator formerly operated by Jacob Lutz. John Stoller is now operating it.

Mayville, N. D.—The Victor Elvtr. Co. recently began business in the former Bristol Elvtr. A. C. Halvorson is the manager.

Stanley, N. D.—The Farmers Union Co-op. Elevator Co. has installed a Stearns magnetic separator ahead of its feed mill.

Eldridge, N. D.—The elevators of the Farmers Elvtr. Co. have been reshingled and painted and the coal sheds painted also.

Minnewaukan, N. D.—The driveway of the Andrews Grain Co.'s elevator has been replanked and the scale overhauled.

McCanna, N. D.—New coal sheds having a capacity of 150 tons will be erected at the local elevator of the National Elvtr. Co.

Berwick, N. D.—Louis Grove has succeeded Frank Welk as manager of the St. Anthony & Dakota Elvtr. Co.'s elevator here.

Van Hook, N. D.—The elevator of the Farmers National Warehouse Corp. was destroyed by fire of unknown origin on Aug. 26.

Jamestown, N. D.—The Independent Elvtrs., operating at this point, at Durupt and at Sidney, are now owned by J. M. Jensen.

Valley City, N. D.—The Farmers Elvtr. Co.'s elevator at this place has been bot by the Occident Elvtr. Co., John Laird, manager.

Reeder, N. D.—The Reeder Co-op. Farmers Equity Exchange's elevator has been opened, under the management of R. J. Shafer.

Wahpeton, N. D.—Carl Braun, manager of the Math Braun Milling Co.'s elevator, recently underwent an operation for appendicitis.

Eddy, N. D.—The St. Anthony & Dakota Elvtr. Co.'s elevator, closed for a year, has been re-opened, with Sigurd Quam as manager.

Scranton, N. D.—At 2 a. m. Aug. 8 an overheated air compressor damaged the cupola on the elevator of the Scranton Equity Exchange.

Pleasant Lake, N. D.—The gasoline engine at the local elevator of the Kellogg Commission Co. has been replaced with a Diesel engine of 15 h.p.

New Salem, N. D.—G. R. Woehrle succeeds C. A. Hahn as manager of the New Salem Farmers Union elevator, Mr. Hahn having gone to Gackle.

Larimore, N. D.—Chris Jensen, who recently resigned as manager of the Lybeck Grain Co.'s elevator, has been succeeded by J. S. Woods, of Inkster.

Woodworth, N. D.—The elevator formerly owned by F. M. Cook, who died in June, has been bot by the Andrews Grain Co., of Minneapolis, Minn.

Brinsmade, N. D.—The elevator of Thomas Ose has been overhauled, and the building formerly used as an engine house converted into an office building.

Medina, N. D.—A new coat of paint has been given the Medina Elvtr. Co.'s elevator. The Farmers Co-op. Elvtr. Co. has added grading discs to its cleaner.

Wimbledon, N. D.—After being closed for several years, the Woodworth Elvtr. Co.'s elevator has been re-opened, with F. E. Maxson, of Rugby, as manager.

Zenith, N. D.—The Zenith Grain Co.'s elevator, which was closed last season, has been bot by the Occident Elvtr. Co., which has appointed A. H. Matteson manager.

Knox, N. D.—The local elevator of the Powers Elvtr. Co., of Minneapolis, Minn., which was closed last season, has been re-opened and Oscar Palm is again manager.

Stanley, N. D.—A new concrete feed room has been erected by the Farmers Co-op. Elvtr. Co. and the feed mill moved to it from the elevator.

Killdeer, N. D.—The Killdeer Equity Elvtr. Co. has had a new 15-ton Fairbanks Truck Scale installed in its elevator. The work was done by the Hogenston Const. Co.

Gackle, N. D.—C. A. Hahn, former manager of the Farmers Union elevator at New Salem, N. D., has been appointed manager of the Farmers Co-op. Elvtr. Co.'s elevator here.

Towner, N. D.—George Stuart is now operating the Farmers Elvtr. Co.'s elevator, which he has leased, under his own name. He was formerly manager for the Farmers Co.

Ray, N. D.—The new manager of the local elevator of the Farmers National Grain Corp. is Clarence Tofte, formerly second man at the Farmers Co-op. Elvtr. Co.'s elevator at Alamo.

Hillsboro, N. D.—Friends of John Olson, manager of the Equity Elvtr. & Trading Co.'s elevator, will be glad to know that he is on the road to recovery after an appendicitis operation.

Warwick, N. D.—The Equity Elvtr. & Trading Co. has appointed Carl Ihlan manager of its elevator, succeeding C. L. Thompson, who has gone to Michigan, N. D., where he has bot an elevator.

Knox, N. D.—The Knox Independent Elvtr. Co. has appointed Lars Midjaas, former manager of the St. Anthony & Dakota Elvtr. Co.'s elevator at Edmore, manager of its elevator, which has been re-opened.

Wildrose, N. D.—The new 30,000-bu. elevator reported in the July 13 Journals as under construction for the Imperial Elvtr. Co., of Minneapolis, was completed late in August by the Hogenston Const. Co.

Hankinson, N. D.—William Bauman, former manager of the Farmers Elvtr. Co.'s elevator, has succeeded Charles Gieb as manager of the Osborn-McMillan Elvtr. Co.'s elevator here. Mr. Gieb has secured a position in Minneapolis.

Sherwood, N. D.—A. C. Sorenson has succeeded G. M. Whipple as manager of the Cargill Elvtr. Co.'s elevator, Mr. Whipple having returned to Valley City. C. N. Troll will again manage the International Elvtr. Co.'s elevator here.

Cando, N. D.—The Farmers Co-op. Elvtr. Co. has been installing new equipment, including new elevating machinery, rubber belt and larger cups and wiring for new motor equipment, which now gives power to practically all operations.

Churchs Ferry, N. D.—The Farmers Co-op. Ass'n purchased a 20-h.p. Fairbanks-Morse Engine for its elevator and had it installed, as well as other repairs made in preparation for the new crop. The Hogenston Const. Co. had the contract.

Hatton, N. D.—The Cando Grain Co. will probably move another elevator to this station.—Cando Grain Co. [This is the name under which Louis Gjere is operating the elevator he recently purchased here, as reported in the Journals' last number.]

Abercrombie, N. D.—The Farmers Elvtr. Co. has appointed R. A. Hage, former manager of Peters & Neeb's elevator at Barney, manager of its elevator succeeding Holbert Strand, who was accidentally killed recently, as reported in the Journals last number.

Michigan, N. D.—The elevator recently bot by C. L. Thompson, former manager of the Equity Elvtr. & Trading Co.'s elevator at Warwick, N. D., as reported in the Aug. 10 Journals, is the H. E. Campbell Elvtr., the driveway of which has been replanked by Mr. Thompson. The office redecorated and a magnetic separator installed in the feed mill. Mr. Thompson operates as the Michigan Grain Co.

Nanson, N. D.—The formal opening of the International Elvtr. Co.'s elevator was held Aug. 10. Two elevators at this point burned in September, 1931; the International Co. purchased the only remaining one, the Farmers Elvtr. Co.'s elevator, moved and modernized it. Earl Heller is manager.

Aneta, N. D.—John G. Johnson, formerly in charge of the Farmers Grain Co.'s elevator here, has been made manager of the Kellogg Commission Co.'s elevator, recently opened, after being thoroly renovated and repaired, a big diesel engine installed, also new rollers, for custom grinding. The elevator is known locally as the Cameron Elvtr., was later owned by the Wheat Pool, and has recently been purchased by the Kellogg Co.

Coleharbor, N. D.—Three elevators burned here on Aug. 24, about 10:30 p. m., the Farmers Elvtr. Co.'s elevator (where the fire started, presumably in the dust bin, from spontaneous combustion), the Cullen Elvtr. Co.'s elevator and the Coleharbor Grain Co.'s elevator; loss estimated at over \$50,000; approximately 10,000 bus. of grain in the three structures was destroyed. A strong northwest wind was responsible for the rapid spread of the fire to the other two elevators, together with fire equipment inadequate to reach the tops of the elevators with water, altho the fire department of three towns fought the fire.

OHIO

Edison, O.—Wind damaged the elevator office roofing in July, the owner being F. E. Blair.

Pemberton, O.—Wind damaged a window in the elevator of J. W. Simmons several weeks ago.

Grayson (Troy p. o.), O.—The Detrick Grain & Merc. Co. recently sustained damage to its electrical equipment.

Gutman (St. John p. o.), O.—The elevator building of the Ohio Seed Co., Inc., was slightly damaged by wind on July 21.

Columbus, O.—The fall meeting of the Ohio Grain, Mill & Feed Dealers Ass'n will be held at the Deshler Hotel, this city, on Oct. 19.

Van Wert, O.—A. M. Heydinger has been appointed manager of the Van Wert Grain Co.'s elevator, succeeding L. S. Brandon, manager for 12 years, who resigned recently.

Forest, O.—The Forest Grain Elvtr., which was among a number recently returned to its former owners by the Farmers Co-op. Ass'n, has been sold to private parties.

Quaker City, O.—J. T. Griffin, who has been operating a feed mill in C. Sharrock's old ice house for several months past, has purchased a building from Mr. Sharrock and will occupy the whole of it. He has also purchased some new equipment, including a feed grinder of the latest type.

Massillon, O.—We now own and occupy the property and buildings formerly operated by the Westside Milling Co. We are manufacturing dairy, hog and poultry feeds under the names of "Ceres," also doing a wholesale and retail feed business. Later we expect to add flour and cereal equipment.—The Ceres Supply Co., Inc.

Westville, O.—The Westville Grain & Livestock Co.'s elevator burned early Sunday morning, Aug. 21, sparks from a Pennsylvania Railroad train believed to be the cause; loss, about \$27,000; in addition to the elevator building, all equipment, 1,000 bus. of wheat, a freight car loaded with grain, the company office, scales, a large quantity of oats and barley and all of the elevator machinery were destroyed; partly insured.

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OKLAHOMA

Pocasset, Okla.—The implement warehouse and grain bins of the Pocasset Grain & Elvtr. Co. were slightly damaged by windstorm on Aug. 17.

Hydro, Okla.—Alva Swartzendruber is installing machinery for a cereal mill in a former garage building. He has been manufacturing the cereal at his home.

Waurika, Okla.—Frank Groseclose, who is associated with his father, M. C. Groseclose, at the latter's elevator, was married on Aug. 6 to Miss Mildred Trice, of Ft. Worth.

PACIFIC NORTHWEST

Tacoma, Wash.—P. J. Fransoli & Co.'s warehouse was gutted by fire early Sunday morning, Aug. 14; loss, about \$10,000; covered by insurance; a quantity of oats and wheat was burned.

Seattle, Wash.—Moritz Thomsen, Seattle capitalist, and one of the foremost industrial chieftains of the Pacific Northwest, died at the Swedish Hospital here Aug. 20, age 82.—F. K. H.

Spokane, Wash.—It is reported that the Farmers National Grain Corp. has indicated a willingness to assist local co-operatives in acquiring additional facilities by making 114 country houses (owned by it in Washington, Oregon and Idaho) available to purchase by the 16 local co-operatives affiliated with the North Pacific Co-op., on a 10-year basis, with a down payment of between 40 and 50 per cent.

Silverton, Ore.—W. Scarth & Sons, of Portland, recently closed a deal and took possession of the Loughmiller Mill here, sold to the Crown Mills two weeks previously. Scarth & Sons are not connected with the Crown Mills but will handle Crown materials. The new company opened for handling grain Aug. 29. Mr. Scarth has been with Balfour, Guthrie & Co., of Portland, for years, in the grain department.—F. K. H.

Silverton, Ore.—Louis Fischer, of the Fischer Flour Mills, now closed, filed a \$200,000 damage suit against Ed A. Haight, cashier of the First National Bank of Silverton, the Cereal Products Co. and three of its officers, charging a conspiracy to defraud him of 1,250 shares of capital stock. The suit also alleged the defendants wrecked the Fischer Flour Mills in their asserted attempt to crowd out Fischer as stockholder.—F. K. H.

Portland, Ore.—The burial of J. H. Hollister, well known for many years to the grain and milling trade of the Pacific Northwest, took place in this city late in August. Mr. Hollister died in Phoenix, Ariz., where he had been for the two past years, on Aug. 19, from a paralytic stroke. He had been connected with a number of companies in the Northwest before going to Arizona. His widow, a daughter and three sons survive him.

Portland, Ore.—Death came very unexpectedly to Newton A. Roberts, associated with Strauss & Co., of this city, for 20 years, late Sunday afternoon, Aug. 21. He was playing golf Saturday, in usual good health, but complained during the night of pains, and in the afternoon, before a doctor could reach him, he had passed away. His earlier association with Strauss & Co. was in the interior country, with Spokane as his headquarters, but in 1925 he came to Portland as president of the Northwestern Dock & Elvtr. Co., a subsidiary of the Strauss Co. In this capacity he handled all the country grain buying, warehouses and dock business. His widow and one son, Floyd, also with Strauss & Co., survive him.

Portland, Ore.—Wheat growers having complained of the discounts, dockages and smutting charges of the Portland Merchants Exchange, on the ground that they were based on higher priced wheat and should be lowered in view of the lower price of wheat, the grain committee of the Merchants Exchange met with a wheat growers committee, on Aug. 19, in the office of the state department of agriculture, at the instigation of Max Gehlhar, head of that department. The dealers brot out the fact that discounts and dockages here are lower than at other markets, citing Winnipeg, for example, where the discount on No. 4 wheat is 20 cents a bushel, while it is only 5 cents a bushel here on the same grade. Discounts and dockages are assessed at a much higher rate in eastern markets, and in many cases wheat is rejected. The growers came to the conclusion that they had not been treated so badly after all.

Minnick (Dixie p. o.), Wash. The new grain warehouse, 200x30 and 18 feet to the eaves, erected a few weeks ago by the Touchet Valley Grain Growers, Inc., was built, scales installed and ready to receive wheat all inside of a month. This is the first house in this section built by the Touchet Valley company, and it expects to erect more before another season.

PENNSYLVANIA

Bloomsburg, Pa.—The White Milling Co. is installing an up-to-date feed mill.

Allentown, Pa.—The annual convention of the Pennsylvania Millers & Feed Dealers Ass'n will be held in this city on Sept. 14 and 15.

Philadelphia, Pa.—Improvement of Philip R. Markley, grain merchant of this city and vice-pres. of the Commercial Exchange, who has been suffering from septic poisoning, is reported.

Philadelphia, Pa.—Daniel J. Sullivan hopes to be able to return to his feed and grain brokerage business this month. At last report he was recovering from a nervous breakdown, at Wildwood, N. J.

Burnside, Pa.—Ross B. McCardle's flour and feed mill burned Aug. 27, at 2 a. m.; loss, including grain stored in the bins, \$15,000. The mill had been running for 50 years and was in excellent condition.

SOUTH DAKOTA

Pukwana, S. D.—Charles Hymers re-opened his elevator here recently.

Corsica, S. D.—I. O. Davis has rented the Farmers Elvtr. Co.'s elevator at this point.

Freeman, S. D.—The Park Lane Feed Co. contemplates building an addition to its feed mill this fall.

Witten, S. D.—The 20-ton truck scale at the Farmers Elvtr. Co.'s elevator has been equipped with a weightograph.

Kimball, S. D.—The Kimball Milling Co.'s plant has been taken over by A. B. Amundson, who is refitting the elevator.

Elkton, S. D.—It is reported that the elevator of the Farmers Co-op. Elvtr. Co. has been sold on account of decline in business.

Wolsey, S. D.—A. Swans, of Agar, has been appointed manager of the Geo. P. Sexauer & Son's elevator here, succeeding Lester Liebbert.

Okaton, S. D.—A. E. Odegaard, operating as the Okaton Grain Co., recently completed a 25,000-bu. elevator with coal sheds and flour warehouse.

Chamberlain, S. D.—Williams & Townsend are the owners of the new elevator erected last fall by Mr. Townsend, and Grant Williams is the new manager.

Crandall, S. D.—Our coal sheds that burned in July, caused by sparks from the weed burner, have been rebuilt and we now have a fine stock of coal on hand.—J. P. Hegge, mgr. Farmers Elvtr. Co.

Letcher, S. D.—Exposure to the fire of the Farmers Elvtr. Co.'s elevator (reported in the last number of the Journals) at 4:30 a. m., Aug. 16, caused the side of the elevator of the Benson Quinn Co. to blister.

Viborg, S. D.—The local elevator of the New London Milling Co., of Willmar, Minn., is now being managed by Chris Jensen, who succeeds Floyd Johnson, who is now at Stipek, Mont., as manager of the International Elvtr. Co.'s elevator.

SOUTHEAST

Savannah, Ga.—The Southern Feed Co. suffered fire damage to the stock in its feed warehouse late in July.

Milford, Del.—Thomas Best's new \$10,000 flour mill, which was almost ready to operate, burned early in August from fire of unknown origin.

Clarksburg, W. Va.—A grain, feed, hay and flour warehouse has been opened here by A. K. Shepler, who is well known to the trade in the northern part of the state.

Salem, W. Va.—The death of Grover C. Broadwater, who was in the grain and feed business here for a number of years, occurred on Aug. 11. He was 47 years of age.

Austell, Ga.—A new whole wheat breakfast cereal is being manufactured by J. D. Perker-son & Sons in addition to their other products. This mill will soon reach the century mark of its existence, and it is busier now than it ever was.

Jacksonville, Fla.—A branch office was opened in this city on Sept. 1 for the Dixie Mills Co., of East St. Louis, Ill., by L. W. Putnam, who will operate as a broker in feed ingredients and also handle a full line of the company's mixed feeds.

Birmingham, Ala.—Painful injuries were sustained by J. O. Walker, southeastern representative of the Aunt Jemima Mills and Quaker Oats Co., in an auto accident near Greenville, Ala., recently. Several bones of one foot were broken and other injuries sustained. His son got only a few scratches.

TENNESSEE

Decherd, Tenn.—Wind slightly damaged the flour mill of the Decherd Mill Co. on Aug. 10.

Lynnville, Tenn.—McLemore Bray, grain dealer, is reported to have filed a voluntary petition in bankruptcy. Liabilities are listed at \$9,550 and assets at \$8,623.

Columbia, Tenn.—W. N. Butler & Co. has started operation of a new flour mill. Mr. Butler opened a feed mill here last fall for the manufacture of poultry and stock feeds.

Watertown, Tenn.—The Watertown Grain & Feed Co.'s warehouse burned Aug. 17; loss, \$7,500, including \$2,500 loss on grain; partly covered by insurance. The fire was believed to have originated in the office.

TEXAS

Bay City, Tex.—Am no longer in the feed business.—E. E. Wood.

Conroe, Tex.—Conroe Grain Co., incorporated; capital stock, \$3,000; incorporators: W. H. Culpepper, A. Vincent and T. W. Lyons.

Lissie, Tex.—In a recent severe storm, which assumed the proportions of a hurricane, considerable amount of metal covering was ripped from the rice elevator.

Valley Mills, Tex.—The Valley Mills Grain Elvtr., owned by A. A. McNeill, burned at 5 a. m., Aug. 16, together with grain and a large quantity of hay; partly insured.

Dallas, Tex.—Lyall Hill is now manager of the branch office here of James E. Bennett & Co., succeeding Paul Erb, resigned. Mr. Hill was formerly branch office manager for the same company at Cairo, Ill.

Waco, Tex.—The Early Grain & Seed Co. is now under the management of L. C. Early and E. E. Coffelt. L. C. Early is a son of the late Eugene Early, and Mr. Coffelt has been associated with the Early Grain & Seed Co. for 25 years.—Allen Early, executor for the Eugene Early Estate.

Palestine, Tex.—The safe of the Palestine Grain Co. was blown open by an explosive recently and about \$225 in cash was taken. The force of the explosion blew away the doors of the safe and scattered valuable books, papers and money over the office. Entrance to the building was gained by forcing open a door.

Fort Worth

Is the Better Grain Market—Use It and Profit

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Cash and Futures

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Consignments, Brokerage

Spearman, Tex.—R. L. Porter, who has been manager of the Texas Wheat Pool Elevator for several years, has completed the erection of his 40,000-bu. studded elevator, which he planned himself, and is now open for business under the firm name of R. L. Porter Grain & Seed Co.

Dallas, Tex.—Joseph Weldon Bailey, who has been nominated by the Democrats for congressman, believes in state's rights, in keeping the government out of business, reducing government expense, repeal of the Agricultural Marketing Act, abolition of the Farm Board and other useless boards, bureaus and commissions.

WISCONSIN

Sawyer, Wis.—We have closed out our flour, feed and grain business.—Fuller Goodman Co. Elevator.

Casco, Wis.—A new hammer mill has been installed by the B. & H. Milling Co. for grinding alfalfa, sweet clover and other so-called bundle grains.

Gresham, Wis.—Earl Stier, of C. P. Stier & Co., whose elevator and feed mill burned recently, after being struck by lightning, is building a new plant on the site of the old one.

Oshkosh, Wis.—The Wisconsin Millers Ass'n, which met in this city Aug. 25 and 26 for its midsummer gathering, elected officers as follows: Pres., E. M. Schneider; vice-pres., Herman Pagel; sec'y-treas., S. C. Northrop. Directors: Ward Fallgatter and Charles Grubbe.

Oconto, Wis.—Charles Lane, who with his son George has operated the former Alphonse Pierre elevator here for the past six years, died at his home here, Aug. 13, from paralysis. Mr. Lane, who was 76 years of age, is survived by five children and a number of grandchildren. His wife died last June.

Elk Mound, Wis.—A. C. Romberg, of Baldwin, Wis., has had the elevator and warehouses formerly owned by E. O. Wright, of the Wisconsin Milling Co., of Menomonie, Wis., in repairing and remodeling them and is erecting another warehouse, preparatory to installing machinery for mixing and grinding feed and cracking corn. He will also sell feed, seed and coal.

Menomonie, Wis.—Householders in the vicinity of Second St. and Tenth Ave. recently petitioned the city council for action to halt the establishment of a feed mill, store and poultry station said to have been contemplated by the owners of the block. The petition was laid over temporarily by the council to give time for consideration of the city's position in the matter.

DePere, Wis.—Owen Milling Co., incorporated; capital stock, \$200,000; incorporators: E. M., R. H. and P. A. Owen; to manufacture feeds for animals and poultry. As previously reported, the Owen brothers purchased the Dougan Milling Co.'s plant here and were remodeling the mill when it burned, several weeks ago, but they are going ahead with their plans, using other buildings of the plant that did not burn with the mill.

MILWAUKEE LETTER

P. C. Kamm is back at the Grain & Stock Exchange, fully recovered from a serious operation.

Owen & Bro. Co. is being liquidated. William Schneider, former sec'y, will continue in the brokerage business under his own name.

The Finance committee of the Milwaukee Grain & Stock Exchange has designated the rate of interest for advances on Bs/A. for September at 6 per cent per annum.

John R. Stratton, son of Harry M. Stratton, vicepres. of the Donahue-Stratton Co., of this city, was married on Sept. 3 to Miss Charlotte Fuller, of Hahobetown, Mass., at the bride's home.

Thomasell Post No. 9, Spanish American War Veterans, of Los Angeles, Calif., eight times American champions, serenaded the Milwaukee Exchange floor, during the national encampment, Grain & Stock Exchange members on the exchange.

Texas farmers received as a whole \$2.60 per bale more for their cotton than the Texas Co-operative Ass'n paid its members, according to Dr. A. B. Cox of the University of Texas. For making known this damaging fact the cotton pool is trying to have Dr. Cox removed from his position in the University's Bureau of Business Research. Evidently the cotton trusts the pool.

Efficient Planning of One-Man Elevator at Hayes, Kan.

Efficient planning for one-man operation of an elevator and machinery warehouses is a feature of the new elevator of the Wheat Farming Co. at Hayes, Kan. The structure embodies the elevator and its office and two large warehouses for machinery and other side-lines. A dozen steps will take the operator from the scale beam to the workfloor of the elevator or into either of the warehouses.

Construction of the elevator is of cribbing, iron-clad, with metal roof bonded to metal siding and grounded for lightning protection. The foundation is 27x24 ft., and the bin space runs 40 ft. upward to the plate. An 18 ft. cupola surmounts the structure.

The 34x11½ ft. driveway is in the form of a lean-to on one side of the elevator. Forming part of the far wall of the driveway is the 10x12 ft. office, which is enclosed by the 30x100 ft. warehouse for machinery. Here is the beam of the 15-ton Fairbanks truck scale.

Paralleling the first warehouse, with the driveway between, is the second warehouse, a 24x48 ft. structure. Both warehouses are of frame, iron-clad construction.

The capacity of the elevator is 27,000 bus. Six of its 10 bins extend down to the concrete foundation; others are overhead bins. All bins are fed and emptied by gravity.

The overhead bins have cast-iron swivel outlets, which act like turnheads for the distribution of the contents. The outlet gates for the deep bins are of cast-iron in iron guides.

The dump pit is of concrete, with separate concrete piers to support the dump scale. The truck lift is set on its own concrete foundation, the scale working free from this unit. Grain passes from trucks to the dump pit thru a steel grate.

Other machinery in the house includes a 2,500 bu. leg, with 12-inch cup belt and V cups. This is operated by a 10 h.p. enclosed motor in the cupola, transmitting its power by belt to a jack shaft, thence by roller chain to the head shaft. Outbound weighing is done thru an 8 bu. Richardson automatic scale.

The elevator and warehouses were built by A. F. Roberts for the Wheat Farming Co. at Hayes, Kan., and are located on the U. P. railroad. The Wheat Farming Co. is reputed

to now be operating about 70,000 acres of land along the U. P. and 12,000 acres are served by this elevator.

Illustration of this elevator is shown on outside front cover.

R. F. C. Funds for Holding Cotton

The government Cotton Stabilization Corporation is said to be holding about 750,000 bales of cotton, setting aside the 500,000 bales earmarked for the Red Cross.

The holdings of the American Cotton Co-operative, a Farm Board creation, are estimated at 1,400,000 bales.

Loans have been negotiated from private and intermediate credit banks on this cotton at the rate of about \$17.50 per bale.

Hard pressed for cash the two organizations, which work together, have been trying to sell cotton, but to do so the loans have to be paid off. Accordingly they applied to the Reconstruction Finance Corporation for money with which to pay off the bank loans and release the cotton for sale. The directors of the R. F. C. could see nothing constructive in such an operation and declined to grant the loan unless it was agreed to hold the cotton off the market. The loan has been granted on the condition, it is said, that the cotton be held off the market until next March or until the price should reach 12c and that between March 1 and Aug. 1, 1933, only 600,000 bales should be sold. This prevents the program announced by the Farm Board in May that it intended to sell 650,000 bales of cotton from Aug. 1, 1932, to Aug. 1, 1933.

The R. F. C. officially announced Aug. 30: "The Reconstruction Finance Corporation has authorized an advance of \$35,000,000 to the American Cotton Co-operative Ass'n and \$15,000,000 to the Cotton Stabilization Corporation. Security for the advance is to be cotton now held by these corporations at the rate of \$25 per bale."

Initial payment by the Saskatchewan Pool on the 1932-33 wheat crop will be 35c per bushel for No. 1 delivered Ft. William. On the lower grades after the freight has been deducted the grower will receive very little. So the poor dupes are crucified.

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of the most complete authoritative grain drying catalog ever published. No man operating a Grain Elevator or Mill, can afford to be without this book. All Engineering and Construction Companies should have it on file as a reference book. Your library is not complete without a copy. Write today for yours.

O. W. RANDOLPH CO.

TOLEDO, OHIO, U. S. A.

Field Seeds

Montgomery, Ala.—W. D. Stigall, seedsman, 68, died recently. The business is being continued by his sister, Miss Carrie Stigall.

Coquille, Ore.—The annual meeting of the Coos District Bent Seed Growers was held here on Aug. 27. Four new directors were chosen.

Salinas, Cal.—Erwin C. Kellogg, Tracy; Roland Tavernetti and Clarence Patrick, Salinas, have incorporated the Kellogg Seed Co. to do business here.

Charlotte, N. C.—R. L. Peacher and associates will open a field and garden seed distributing house here about Sept. 15, doing both a wholesale and a retail business.

Worthington, Minn.—The J. G. Dill Co. of Wabasha, has been consolidated with the Worthington Seed Co. The company is continuing business under the latter name.

Oklahoma City, Okla.—Fred Nichols has purchased one of the seed stores of Harde-man-King Seed Stores, his former employer. Associated with him in the enterprise are his two sons.

Worthington, Minn.—Chas. J. Gilbert has succeeded E. C. Callan as manager of the Worthington Seed Co. He was formerly county agent. Mr. Callan has removed to Madison, S. D.

Grattan, Minn.—Arrowhead Seed Growers Ass'n has been organized in Itasca county to market clover, alfalfa and other seeds grown by members. T. Beckman of this city was elected pres. Arrangements for warehouse space and seed cleaning machinery are under way.

De Pere, Wis.—Fire destroyed the Dousman flour mill recently, where Clifford and Roy Osen were preparing to establish a seed distributing and feed manufacturing business. The plant was not in use. Part of the property remaining will be used to establish the seed and feed business, and it is expected the burned structure will be rebuilt at a later date.

Pullman, Wash.—Seven years of comparative yields, in which Markton oats were tested beside the standard varieties they were displacing, show: Markton, 64.9; Victory, 61.7; Canadian White, 61.4; Banner, 60.5; Abundance, 59.7, and Swedish Select, 55.6 bus. This year 80 acres of foundation stock of Markton oats are being grown for distribution to farmers by the state agricultural experiment station.—F. K. H.

Directory

Grass and Field Seed Dealers

CONCORDIA, KANS.

The Bowman Seed Co., wholesale field seeds.

CRAWFORDSVILLE, IND.

Crabbs, Reynolds, Taylor Co., clover, timothy.

KANSAS CITY, MO.

Rudy-Patrick Seed Co., field seed merchants.

PHOENIX, ARIZ.

Capital Fuel & Feed Co., hay, alf., Berm., sor. seeds.

ST. LOUIS, MO.

Cornell Seed Co., field seed merchants.
Mangelsdorf & Bros., Ed. F., wholesale field seeds.

SEDGWICK, KAN.

Sedgwick Alfalfa Mills, field seed merchants.

WAMEGO, KAN.

Wamego Seed & Elev. Co., alfalfa & seed corn.

WICHITA, KAN.

Ross Seed Co., Kansas Grown Alfalfa.

Moscow, Ida.—Joe Zeb has incorporated the Pea Growers Warehouse Corp. as a subsidiary of the Moscow-Idaho Seed Co. It will operate the new seed warehouse built this summer near the parent plant.

Lafayette, Ind.—The annual "Corn and Soybean Field Day" will be held by Purdue University Agricultural Experiment Station on Sept. 16. While corn and soybeans are the principal subjects to be discussed, sweet clover, Korean lespedeza, alfalfa and liming of soils will have a turn.

Lafayette, Ind.—A new disease, the wilt that is so destructive in old alfalfa fields, has appeared in Indiana alfalfa fields for the first time. Ordinarily it does not become apparent until the third year, but may become serious in four or five years.—Prof. C. T. Gregory, Purdue University.

Countless letters and requests are going to the U. S. Department of Agriculture from all parts of the country asking extension of seed loans that fall due on the 30th of November. The requests point out the advantage of feeding the grain to livestock to obtain a higher return. Buyers must watch out for liens.

Philadelphia, Pa.—David D. Rowlands, long associated with the John H. Allan Seed Co., Sheboygan, Wis., former vice-pres. of the Associated Seed Growers, Inc., and one of the organizers of the Continental Seed Co., passed away at the University hospital here on Aug. 25. His many friends in the trade are extending their sympathy to the bereaved.

Colorado Springs, Colo.—Bushel Entries are a new class of grain to be exhibited at the annual Colorado Pure Seed Show to be held here the 3rd week in November. This class was created to obtain large, hand-picked samples of Colorado grain for competition at the World's Grain Show in Regina, Canada, in 1933. They are provided for hard red spring wheat, hard red winter wheat, any variety of oats, and any variety of barley.

Plant Quarantine in Oklahoma

A quarantine against importation of corn, sorghums, sudan grass, celery, beans, beets and several varieties of cut flowers from Maine, New Hampshire, Massachusetts, Connecticut, Rhode Island, Vermont, New York, Pennsylvania, Ohio, New Jersey, Michigan, Indiana and West Virginia, has been made effective by the State Plant Board of the Oklahoma Board of Agriculture.

The reason given is to prevent spread of the European Corn Borer. The order was made effective Sept. 7.

Wide Variety in Exhibits at Genetics Congress

A wide variety of plant and animal improvements was exhibited at the 6th International Genetics Congress held at Cornell College, Aug. 24-31. They were gathered from 34 nations.

Animal exhibits ran all the way from aphids to sheep; plants from asters to zinnias; fruits and vegetables from banana to watermelon, and grains from corn to wheat.

Corn exhibits from United States and 30 other countries showed wide variations suitable to variations in climates, and indicated developments from careful selection and breeding. New varieties and improvements in old varieties of the major grains, helping to resist the ravages of insects and disease, merited great interest from the visitors.

Selecting Premier Seed Growers

The Northwest Crop Improvement Ass'n is sponsoring selection of Premier Seed Growers for Minnesota for the 5th time this year, in cooperation with the University of Minnesota.

Seed growers selected will be presented with medals and will be given an all-expense trip to the annual Farmers' & Home Makers' Week Short Course held in January of 1933 at University Farm.

Past selections have stimulated a great deal of interest in production of dependable, high-quality seeds, helping materially in building a good reputation for Minnesota seeds.

Cockle and Rye a Menace in Soft Wheat Territory

Grain inspection records covering soft red winter wheat marketed from the present crop in July and August show an alarming increase in the presence of cheat, cockle and rye compared with previous years, according to the Federal Supervisor at Indianapolis.

Cheat in wheat is usually removable by use of ordinary cleaning machinery and functions as dockage when found in wheat at terminal markets.

Cockle and rye are not removable by use of ordinary cleaning machinery and function to lower the numerical grade when found in wheat at terminal markets.

It is not difficult to understand what the harvest will be next year if wheat containing excessive foreign material is used for planting this fall without cleaning.

All interested parties are urged to pass knowledge of the facts on to the farmers in order that they may examine, clean and prepare their seed wheat for planting this fall to the extent required by good farming practices. Cleaning seed will increase next year's crop and give the dealers more grain to handle.

Soybean Convention Examines Varieties

Soybeans have become an important crop in this country, 3,000,000 acres being grown last year. This led to the soybean convention in Washington, D. C., on Sept. 2 and 3, held as the annual meeting of the American Soybean Ass'n.

One of the outstanding exhibits was a living collection of several thousand soybean varieties and selections collected in the Orient by W. J. Morse, soybean specialist for the Department of Agriculture, and pres. of the ass'n. Another was a collection of American and Oriental products made from soybeans. A visit to the Arlington Farm plots was included in the convention program.

Speakers included F. P. Latham, Belhaven, N. C., and J. C. Hackleman, University of Illinois, on growing the crop. C. M. Woodworth, also of the latter institution, discussed soybean breeding.

MOVING pictures of soybean culture in Japan, Korea, and Manchuria, were shown by Mr. Morse at dinner on Friday evening and A. A. Horvath, former head of the soybean research laboratory in Peking, China, discussed the food value of soybeans. Whitney H. Eastman, pres. of the National Soybean Oil Manufacturers Ass'n, talked on industrial utilization of soybean oil and soybean oil meal.

Marketing of soybeans on the basis of U. S. Grades, was the subject of J. E. Barr on Saturday morning. E. C. Parker took up the question of oil and protein content in valuing soybeans. D. A. Coleman explained methods for determining these factors. R. B. Gray discussed harvesting methods.

Field Seeds a Good Side Line

Seeds are of greater importance to the agriculture of this country than anything else in the possession of the farmer. On the quality of the seed rests the harvester's results, a responsible share in what it may produce and the cost of production.

It has been estimated that more than 14,000,000,000 lbs. of seeds, exclusive of seed potatoes, seed sugar canes, and other vegetative planting stocks, are sown or planted annually in the United States. That is a lot of seed. Just a little improvement in the general run would make a great deal of difference in the crops to be harvested.

Climatic conditions that affect the seed crop are beyond the farmer's control, but he can provide himself with the benefits of expert handling and processing by buying his seeds from established, reputable seed merchants.

Several factors influence the purchase of seeds by the farmer. If his fields are foul with noxious weeds, if the soil, climatic and other conditions on his farm are unfavorable for seed production, if altitude, latitude, or rainfall precludes production of seed in a given year, if he finds it more profitable to produce hay or forage crops rather than seed, or is in need of a crop which he has not grown for a long time, or has to replant a field when his supply of seed is exhausted, then he becomes a prospective buyer.

Farmers get seed from three normal sources. It comes from their own farms, from the farms of their neighbors, or from dealers. The largest percentage of seed moves thru the hands of dealers. A table prepared by the Department of Agriculture shows that dealers handle 93% of the grass seeds in the eastern group of states, 90% in the southern states, 65% in central states, 18% in northern states, 94% in far western states.

Among the clovers and alfalfa dealers handle 91% of the seed in the east, 84% in the south, 52% in the central area, 66% in the north, 79% in the far west.

In the forage and sorghum class dealers sell 99% in the east, 51% in the south, 63% in central states, 90% in the north, 66% in the far west.

Even on small grain seed, the percentage handled by dealers is high, being 44% in the east, 40% in the south, 9% in central states, 8% in the north, and 26% in the far west.

This indicates the relative importance of the dealer in seeds in the various groups of states, and indicates what may be expected from dealing in seeds as a sideline. Certainly seeds are a natural sideline for the country grain elevator and they fit right into the program of merchandising when the movement of grain from farms is generally light.

Reduced Smut Infection

Receipts of smutty wheat from Nebraska points on the Omaha market have this year run only 10.4%. This is low for the new wheat and demonstrates what persistent effort will do to reduce this parasite.

Educational efforts have been consistent among the grain dealers of Nebraska, promoting the use of copper carbonate in treating seed wheat. Many have installed grading and treating machines, and have treated seed wheat at cost. Their persistent efforts have born good results.

But that is no reason for ceasing effort. If wheat is worth planting at all it is worth protecting from smut by this simple and effective treatment. It is easy for the farmers to backslide on treatment, unless constant effort is directed to keeping wheat clean.

Crested Wheat Grass Makes Good Northern Pasture

One of the newer grass seeds that is being offered by seed houses for pasture purposes is crested wheatgrass, a native of the cold, dry plains of Russia and Siberia, first brought to this country about 1898. The grass received little impetus until after the War, when experiment stations considered it seriously, and in 1929 it was first offered by commercial seed houses.

The merit of crested wheatgrass lies principally in its long productive period, beginning growth from 5 to 14 days earlier than brome-grass or slender wheatgrass, and continuing growth until late in the fall. Utilized with a grass that is productive in the heat of midsummer, when crested wheatgrass makes little progress, it makes fine pasture. With sufficient moisture good yields have been obtained from stands 10 to 15 years old.

These qualities of crested wheatgrass make it particularly suitable for the north plains regions, and Canada, where interest is most keen. It withstands drouth well, tho it makes its greatest growth when favored with moisture, in which case yields have run as high as 3 tons to the acre. No instances are known where the plant has been killed out by drouth or severe cold.

Bald Rock Wheat Developed in Michigan

Bald Rock wheat is a new variety that has been developed from a head selection made by the late Prof. Frank A. Spragg at the University of Michigan. It makes consistently good yields, is beardless, resistant to lodging, and comparatively winter hardy.

Tests have been carried on since 1925, demonstrating desirability of Bald Rock. Field tests in various sections of Michigan indicate it has wide adaptability and does well on a variety of soils.

Distribution of Bald Rock seed wheat is being made this fall, and seed will be inspected by the Michigan Improvement Society to determine quality of grain, purity and amount of foreign matter.

Sudan Seed May Spell Trouble

"Purchasers of sudan grass seed should require a guarantee that it does not contain sorghum or sorghum-sudan hybrid seeds if they plan to use it for pasture," says M. Lute, seed analyst for the Colorado Agricultural College. Her expression is echoed by seed analysts all over the country, in the private trade as well as public office. It is one of the reasons for declarations on containers of dependable southern seed that seed is free from Johnson Grass.

Sorghums, when stunted by drouth, are poisonous to livestock if grazed fresh. Chemical reaction under the right conditions causes prussic acid in the system of the animal that grazes on it, killing the animal. Johnson grass is closely related to the sorghums and also contains prussic acid. Sudan grass is related to the cane and sorghum seeds with which it may hybridize.

In the 1932 inspections three-fourths of the sudan grass seed inspected in the state laboratory at Fort Collins, Colo., contained seeds of sorghum-sudan crosses. This may be less true of other states. None the less it is to the interest of every self-respecting seed dealer as a guardian of the interests of his customers, to make doubly certain that the sudan grass seed he sells for pastures is pure and dependable.

Mixed Wheats Are Always Discounted

Notwithstanding the educational activities directed toward crop improvement and better grades of grain, receipts at the Missouri Valley markets from some sections of Western Nebraska show a considerable increase in the number of cars of mixed wheat which is discounted at times from one to six cents a bushel. This wheat contains admixtures of different classes, such as hard red winter with hard red spring wheat and mixtures of humpback spring wheat, causing it to grade red spring which is of lower market value than the northern spring or dark northern spring wheats.

These mixtures offer a serious problem for the country grain dealer and the grain inspector. It appears that, especially this year, spring wheat was seeded following winter killing in the hard red winter wheat sections. Country elevator men who are not thoroughly familiar with wheat classes are likely to purchase mixtures of this sort only to find that it is mixed wheat when it is graded in the terminal markets. It is also likely that much straight class wheat is made mixed by unintentional elevator mixtures, with corresponding discounts.

Extensive educational work has been done by the Nebraska State Extension Service, the grain dealers organizations and Federal Grain Supervision. Most dealers should be familiar with wheat classes. Grain dealers can accomplish much to help both the growers and themselves by assisting in the selection of satisfactory seed wheat free from mixtures of other classes of wheat, rye, and other foreign materials.

Canada is asking for a tariff of 3c a bushel on Dominion wheat and 6c on foreign wheat imported by Great Britain.

Sell Seed for Cover Crops

Many farmers do not realize that every crop taken off their land carries with it plant food from the soil. Unless some method of returning this plant food is practiced, the supply gradually diminishes until the land can no longer supply the required food and the crop yield becomes smaller and smaller, finally resulting in complete failure. In many instances abandoned farms are but examples—farms that have produced crops year after year with no effort to replace the plant food.

Cover crops are among the most profitable methods used to replenish plant foods in the soil and give quick returns.

Alfalfa, clovers, vetches and winter peas take nitrogen from the air and store it in the soil. Nitrogen is the most valuable of the plant foods.

ALFALFA SEED

Adapted to the Corn Belt

All U. S. Verified Origin

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St. Louis, Missouri

Feedstuffs

Penick & Ford have turned over to the General American Tank Car Corporation 200 tank cars used for hauling molasses, and will obtain cars on a rental basis from the tank car corporation.

Birmingham, Ala.—While a good corn crop will be harvested in the South the yield will not be as great as last year as very little fertilizer was used. This means there will be a heavy movement of corn from the middle western grain belt. Especially since the sharp rise in prices on cotton and tobacco, the principal crops of the old south.—G. H. W.

Memphis, Tenn.—The 7th annual convention of the Southern Mixed Feed Manufacturers will be held at the Peabody Hotel on Oct. 11 and 12. It will consist principally of a series of conferences, several important subjects being scheduled for discussion. The usual dinner the evening of the first day, and golf tournament the afternoon of the second, are expected to be held.

Plymouth, Ind.—A farm has been purchased by W. W. Collins, one of the associates in the Sun-O-Dine Co., a few miles from here. It is known as the Sun-O-Dine Farm, and a large sign to that effect is painted on the barn. The tract has 105 acres, devoted to the production of livestock and poultry. It is here that feeding experiments on Sun-O-Dine Sea Meal are conducted.

St. Louis, Mo.—Thirty-one students from leading American and Canadian Agricultural colleges received the four weeks' special training in commercial and agricultural leadership that constitutes fellowships awarded annually by the Wm. H. Danforth Foundation and Purina Mills. The fellowship included two weeks study of manufacturing, sales promotion, and research methods of a large feed milling organization, management of experimental farms, and two weeks in the American Youth Foundation camp on Lake Michigan, near Shelby, Mich.

Suffolk, Va.—Feed men who utilize peanut meal in their feeds as a protein supplement will be interested in knowing that organization of a cooperative peanut marketing ass'n under the protecting arm of the Agricultural Marketing Act has been completed by peanut growers from six Virginia counties here. Application is being made for a charter and headquarters are being arranged. "A pool of 12,000,000 bags has been formed by growers in the Virginia producing area." Of course the Farm Board will lend the Pool a lot of the taxpayers' money and never get any of it back.

COBS

Encouragement for Feed Trade

Business economists reported business as little more than 20% below normal at the end of August. It was only a short time ago that the figures were running from 33% to 37%.

Such figures are naturally generalized. They are composites of figures from both index and dependent lines. Some businesses are close to normal. Others are still up in that 37% class, some in worse shape.

While disagreement is often manifest between economists, all of them seem to express confidence that better times are preceded by rising commodity prices. Commodity prices, the figures paid for the raw products that enter into the preparation of food, clothing and other necessities, respond quickly to the fluctuations of supply and demand.

A relatively short time after the jumping prices for hogs, cattle, and sheep began to command the attention of the newspapers in agricultural trade territories, things began to happen in the stock market. Some bulls got together and started a wave of buying.

The start of stocks towards the prices that were paid for them has put hope in the hearts of many bankers and business men, releasing more activity in their fields. June, July and August have seen a remarkable shift from pessimism to optimism. Hope has displaced despair.

The return to normalcy, however, is finding a lot of changes in the economic set-up of the feed business. Grain and feed dealers who have been on their toes, and who have had the courage not only to set their houses in order but to move on in leading a manifest trend, with faith and confidence in what the future might bring, are in the best position to reap the rewards of their courage.

Feed Future Prices

The following table shows the closing bid price each week in dollars per ton of standard bran, gray shorts and standard middlings for December delivery:

	St. Louis			Kansas City	
	Bran	Shorts	*Midds	Bran	Shorts
July 30.....	10.00	10.90	10.60	7.95	8.85
Aug. 6.....	10.15	10.85	10.85	8.25	9.00
Aug. 13.....	10.15	10.85	10.75	8.35	8.95
Aug. 20.....	9.90	10.40	10.50	8.10	8.75
Aug. 27.....	10.55	11.60	10.95	8.65	9.60
Sept. 3.....	10.45	11.75	11.00	8.60	9.85

*Chicago delivery.

A Feed Market in the East?

Washington, D. C.—From Ohio eastward, corn prospects are only fair. Since nearly half the milk cows are in these 14 northern states east of the Mississippi River, local shortages of hay may affect milk production materially unless dairy products are high enough next winter to permit liberal purchases of grain from surplus districts.

Dairymen in these states are the principal purchasers of by-product feeds. The general shortage of hay in these states and the local shortage of homegrown grain in the northeast will increase competition for the reduced supplies of by-product feeds.

It is unlikely prices for feeds will fall much below the present level, especially since freight rates are so important a part of the total cost of feeds.—Buro of Agricultural Economics.

Raisin Pool Abandoned

The California Raisin Pool on Aug. 27 announced the abandonment of its acreage campaign, less than one-half of the growers having signed contracts.

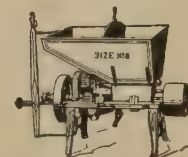
The Pool has 53,000 tons of the 1931 crop unsold on which it owes the Farm Board \$2,500,000, so that the sale will net the growers nothing at present prices.

The Pool was formed in 1930 thru the California Grape Control Board, in the organization of which C. C. Teague, then a member of the Farm Board was active. Refusal of the growers to come into the Pool indicates their conviction that organizations promoted by the Farm Board can do nothing to improve their condition.

BOWSER Crush Grind Feed Mills Mix

Rapidly crush ear corn (with or without husk) and grind all the small grains; either separately or mixed—mixed as they are being ground—not before or after. This saves time and labor.

"COMBINATION" MILLS

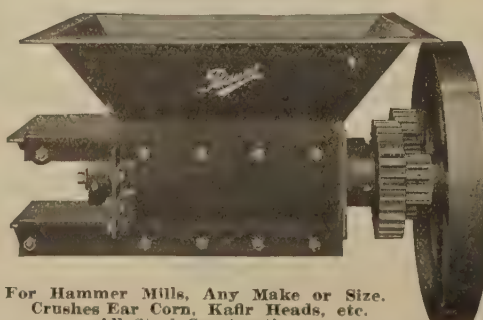


Use the famous Cone-Shape burrs. Light Draft. Large Capacity. Solidly Built. Long Life. Special sizes for the milling trade. Sacking or Wagon Box Elevator. Circular on request.

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For Hammer Mills, Any Make or Size.
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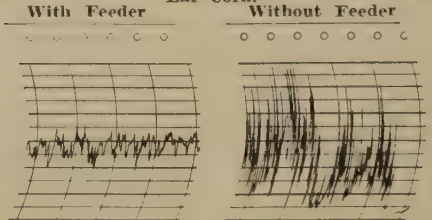
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Showing Power Consumed When Grinding
With Feeder Without Feeder



Power Rates Are Based on Power Peaks. Note Even Power Load When Ears Are Crushed on a Bauer Feeder.

Development of the Soybean Oil Meal Industry

[W. H. Eastman, Milwaukee, pres. of the National Soy Bean Oil Manufacturers Ass'n. talked briefly before the annual meeting of the American Soy Bean Ass'n at Washington, D. C. In the course of his remarks he said]

The soy bean was first cultivated in the United States in 1804, but the crop did not attain commercial importance until the soy bean oil milling industry was developed following the World War. Today, in the United States we have soy bean oil mills with an annual crushing capacity of about 10,000,000 bus. of soy beans.

The two main products of the soy bean oil mills are soy bean oil meal and soy bean oil. Soy bean oil meal constitutes about six-sevenths of the combined weight of the two products, and while it does not have such a wide variety of uses as soy bean oil, it is considered the principal product from an oil milling standpoint. Soy bean oil meal is obtained by crushing and cooking the soy beans and expressing a large part of the oil, thus producing a highly nutritious and palatable protein concentrate used principally for feeding live stock.

Soy bean oil meal is quite different from ground soy beans which contain approximately 20% of oil and have a raw beany, unpalatable taste, and which when fed to hogs and dairy cows produce soft pork and soft butter fat. Soy bean oil meal has a nut-like flavor and is relished by all farm animals. It is growing in popularity as an ingredient for mixed feeds for poultry, dairy cows and hogs because of its high nutritional value. As the valuable properties of this protein concentrate are becoming better known its use is spreading in balancing home mixed rations in order to utilize home grown grains efficiently.

There has been produced this past season something in excess of 125,000 tons of soy bean oil meal, a large part of which has been consumed as animal feed in one form or another. For the quarterly period ending June 30, soy bean oil meal constituted 5 per cent of the total production of vegetable protein concentrates produced by the oil milling industry in the United States. The meal is also used in the manufacture of vegetable glue and adhesives used principally in the veneer and plywood industries in place of animal glue. Its use in this field is expanding.

The consumption of soy bean oil for the crop year ending Sept. 30, 1931, was in excess of 4,000,000 gals. compared with the previous ten-year average consumption of 2,800,000 gals. It is estimated that the consumption of soy bean oil this year will exceed 5,000,000 gals.

It is recognized as an established fact that the oil milling industry is indispensable if we are to expect continued growth and development of the domestic soy bean industry.

Michigan Develops Grain Fumigant

Because of the fire hazard attendant upon use of carbon bi-sulphide as a grain fumigant, leading to cancelling of insurance during the time fumigant is in use and for several hours thereafter, the entomology department of the Michigan State College has developed a new fumigant for grains and beans in bins.

Propylene dichloride, or a mixture of this material, is reported to create no fire hazard, and this is the development of the College.

Grain bins to be fumigated should be as airtight as possible and the grain itself should be covered with a tarpaulin, blankets, or a layer of newspapers. The fumigant is poured directly on the grain under this cover. If the bins are more than four feet deep a pipe should be inserted in the grain to allow the fumigant to reach below the surface. Grain being fumigated must be left for 48 hours.

Two pounds of propylene dichloride is used for each 1700 cubic feet of air space, in a temperature of 70 degrees. In colder weather or if

the bins are not tight more is needed. A gallon of the fumigant weighs approximately 10 lbs.

Cod Liver Oil Cures Rachitic Calves

Wisconsin experimenters, seeking to learn whether calves would suffer much from loss of vitamin D, divided 24 grade Holstein heifer calves into six lots of four calves each.

Between three and four weeks of age the calves were gradually shifted from whole milk as the means of maintaining life and hope to a diet of skim milk. The skim milk was continued at the rate of 14 lbs. per head per day until the end of the ninth week, when another gradual shift was begun so that at the end of the tenth week the calves were on a basal ration sadly deficient in vitamin D.

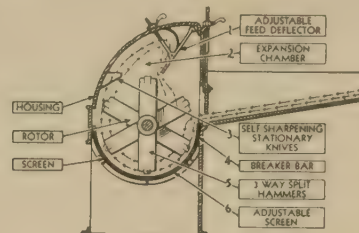
The basal ration was 50 lbs. yellow corn meal, 20 lbs. linseed meal, 20 lbs. gluten meal, 6.5 lbs. wheat middlings, 3 lbs. calcium carbonate, .5 lbs. salt. With each 90 lbs. of this mixture 10 lbs. of ground wood shavings were mixed to supply roughage. This was the only feed given the first lot of calves. Remaining lots received respectively: 20 c.c. of cod liver oil per head daily to the 36th week, when the allowance was doubled; oxidized cod-liver oil, deficient in vitamin A, but uninjured in D, in the same amounts; sunlight in a cinder yard; 125 c.c. of canned tomatoes per calf daily in addition to sunlight; 125 c.c. canned tomatoes without sunlight. Except in the two lots mentioned, sunlight was excluded as part of the living conditions of the calves.

At the end of the 16th week the lots receiving the basal ration only, and the lot enjoying the addition of canned tomatoes without the help of sunlight, showed marked rachitic conditions, being stiff, lame, and unthrifty. The two lots receiving cod liver oil, one whole, the other oxidized, grew rapidly and maintained a slick, vigorous and thrifty appearance. Other lots reacted in accordance with the amount of vitamin D thru direct sunlight they received. Killings at the end of the 40th week verified appearances. Examination of the bones of rachitic calves disclosed low phosphorous content, compared with the healthy specimens.

One calf from each of the rachitic lots was kept and fed 40 c.c. of oxidized cod liver oil daily. Under this daily dosage, supplying vitamin D requirements, the calves promptly and completely recovered their appetites, and developed into normal animals.

Reduce Grinding Costs

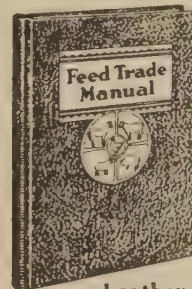
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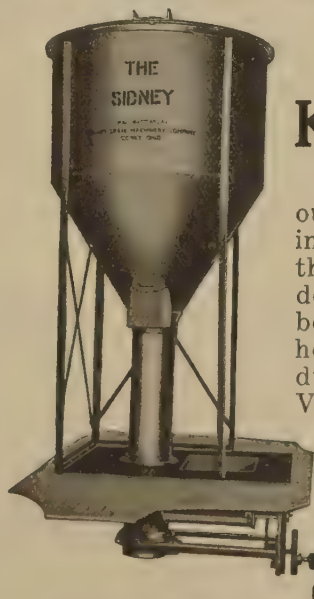
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Poultry Feeds and Feeding

A Credit System to Protect Dealers

The livewire Northwestern feed ass'ns have developed a credit arrangement which they recognize as the Lewis County Credit System.

On a smaller scale this system has been in use in various parts of the feed consuming country. In effect it consists simply of an interchange of delinquent lists, confined strictly to feed dealers in each district.

Protein in Poultry Feed

For best results in egg production the ration fed the laying hen must be complete. In discussing the essentials of a ration, Gustave F. Heuser, of Cornell University Extension Service, calls particular attention to the protein content of the feed.

The ration must contain suitable protein, in volume as well as quality. It is essential that a certain minimum be present. Larger quantities can be used without actual harm, but its use is not economical since protein feeds are relatively expensive.

QUALITY: The proteins of various feeds differ because they do not all contain the same amino acids, or if they do, they are not in the same proportions. These differences account for variations in quality. Particularly since some of the amino acids seem to be more important than others.

Animal protein feeds, such as milk, meat, and fish, are more efficient and valuable than vegetable proteins. Quality is probably one reason. Animal proteins contain more lysin than do those from vegetables.

PROTEIN requirements vary with the feed requirements. A growing bird needs more than a mature bird. The egg producer requires more than the non-producer. The growing chick needs more in early life when it is growing by leaps and bounds, than when the relative growth slows down. Some difference in the amino acids seems to be required.

To prevent waste of protein the protein concentrates must be balanced. The most efficient combinations are those that supplement each other's deficiencies. This explains why a combination of two proteins may give better results than either alone. When single feeds, or a very limited number are relied upon the results are unsatisfactory unless the choice of a protein is so fortunate that it completely fills the need for the purpose.

With greater knowledge of proteins it is to be expected that poultrymen will consider the requirements of a ration from the standpoint of amino acids rather than from that of more complex proteins. It is the deficiency in any one or more of the amino acids that limits results.

At times an increase in the percentage of total protein has brought improvement, not because the animal or bird needed more total protein, but because the amount of a certain necessary amino acid was thereby increased. Adjustment of the amino acid balance would bring about the same result without increasing the protein.

Until such time, however, as more definite information on quantities and qualities of proteins necessary in poultry rations becomes available, the safe practice is to use a reasonable variety in the rations, including plenty from animal sources.

Portland, Ore.—Over 250 egg producers met in a convention of Oregon poultrymen, sponsored by the Oregon State College and the poultrymen's ass'n. A. G. Lunn, head of the poultry department of the college, reported experiments with three proposed methods of feeding had devised no better system than letting the hens scratch in litter for their grain and eat their mash out of a hopper.

Mineral Intake Necessary to Health of Birds and Animals

No more graphic story illustrates the need for mineral balance in feeding poultry and livestock than early experiments in feeding conducted by independent investigators. There is the report of Dr. Voit, a German physiologist, 50 years ago, who fed a pigeon a simple diet consisting of washed wheat and distilled water.

The bird lived for some 12 months, and appeared perfectly healthy. Then it broke a wing and was killed, that its body might be thoroly examined.

In spite of appearances the bird had been suffering severely from lack of bone-building materials and had drawn upon its skeleton to supply the demands of the blood. The drain upon the breast bone and the skull had reduced them to paper-thinness, and they contained many holes. The blood of the pigeon had been eating away its bones.

Research and science have made many long strides in feeding problems since the time of Dr. Voit. Today we have reached understanding of dietary requirements of poultry and livestock as they have never before been understood. Not only do we have mineral balance, regulation of fat and fibre intake, regulation of proteins and carbohydrates to balance with other components of the feed, but balance of the component parts of some of these divisions. Protein is no longer just protein. It is a balance of amino acids to meet the needs of the particular class of livestock to which it is being fed.

One Form of Calcium as Good as Another

Because some calcium compounds are much more soluble in water than others the belief has been expressed that the more soluble calcium compounds are easier for the growing chick to assimilate. Extensive trials made by E. B. Hart and H. J. Deobald, Wisconsin experiment station, indicate there is no justification for this belief.

After determining that the basal ration used in the experiment required an addition of 2 per cent of calcium carbonate to furnish adequate lime for the normal development of chicks Hart and Deobald supplemented the basal ration with eight lime carriers: gypsum (calcium sulfate), precipitated calcium carbonate, high grade limestone, dolomite (Wisconsin limestone made up of calcium and magnesium carbonate), steamed bonemeal, rock phosphate, Dicalpho (a di-calcium phosphate), and calcium gluconate. These were all fed in amounts which furnished calcium equivalent to 2 per cent of calcium carbonate. An adequate quantity of vitamin D (the antirachitic vitamin) was incorporated in each ration.

Gypsum is insoluble in water, but the tibia bones from the lot fed gypsum as their source of calcium averaged 42.50 per cent ash, while the very soluble calcium gluconate gave an average ash content of 42.46 per cent. Rock phosphate gave the poorest results, only 40.1 per cent ash.

Steamed bonemeal made possible the highest ash content, 44.83 per cent, which it is believed is not because it is a better carrier of calcium, but because bonemeal is rich in phosphorus, and the ash of the chicks fed bonemeal was increased in phosphorus as well as in calcium. The other forms of calcium tried out in the experiment all gave results virtually identical with those obtained when gypsum was fed.

These findings indicate clearly it cannot be assumed that one form of calcium is better than another in poultry feeding because it is more soluble in water. The rate of solution of calcium salts in the bird intestine is sufficient, even in the case of the more insoluble com-

pounds, to make all forms equally effective provided adequate vitamin D is present.

W. S. C. Formulas in Washington

A policy has been arranged tentatively between the Washington State College and the Feed Dealers Ass'n of Washington, whereby members of the organization may, at their option, produce and sell feeds in accordance with formulas recommended by the College, and so labelled.

Details of the arrangement have not been announced, but are expected to be ready for the trade sometime in September.

High Records Being Made at Storrs

An increase in egg production to a total lay of 4,280 eggs for the week came in the 41st week of the Storrs egg-laying contest. This is a yield of 61.1% for all birds, a gain of 105 eggs over the preceding week and 511 above the 3-year average.

A pen of White Leghorns backed by Swank's Leghorn Farm of Holton, Kan., held first place with production of 63 eggs, weighing enough to score 66 points. White Leghorns from the Meadowedge Farm, Sterling Junction, Mass., held second place with 64 points.

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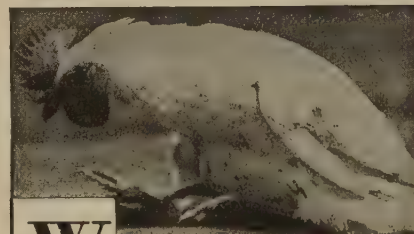
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Managing Early Maturing Pullets

By Prof. A. G. Philips.

Many pullets that were well fed early in life will commence egg production in August or early September. Probably they were hatched in February or March. The poultryman is confronted with—"What shall I do to prevent a false molt in the winter months?"

The type of pullet that comes into production in August or September is usually undersized—she has become sexually mature before she has become physically mature. The chances are she will always be too small in size, lay too many small-sized eggs in the fall and molt in the winter time. If she attains her normal size by winter and then molts, the eggs laid in the springtime will be large in size and of good hatching quality.

The poultryman wants good size of body, quick production of sizable eggs, no molt with a winter check in production and good fertility in the springtime. Considering the strain of the particular breed being raised, decide on the number of pounds of weight desirable for maturing pullets. For Leghorns three and a quarter pounds and for heavier breeds five pounds is a desirable weight to be attained by laying time.

If pullets are physically mature when they begin production, they will have not only reached the above-mentioned weight, but will be plump of body and carry some surplus fat internally. Without this surplus fat, unsatisfactory results are shown by small eggs and early molt. If pullets are matured normally and are so fed as to retain surplus of fat, they can perform properly during the winter.

To mature pullets normally use every scheme possible to get an abundance of grain or fattening feeds into them along with a minimum of mash. Keep grain in hoppers before the birds at all times when on range. Hand feed some grain in the late afternoon. If the birds eat more than one-third as much mash as grain, close the hopper in the afternoon or for one-half of the day. This will tend to delay sexual maturity and build up the surplus body fat while the bird is growing. This extra fat, maintained, will help prevent a check in winter production which precedes artificial partial winter molt.

Keeping pullets on range will help delay production. When the pullets are placed in the laying house, keep grain before them at all times and, in addition, give a wet crumbly feed of fattening mash, about three to five pounds per hundred birds daily.

Jessups, Md.—Over \$4,000 in prizes were awarded the best rabbits in the first annual rabbit show, held here Sept. 3-5, by the Maryland Rabbit Breeders Ass'n, and the American Rabbit & Cavy Breeders Ass'n.—RCN.

Exports of Feedstuffs

Exports of feedstuffs of domestic origin during July, compared with July, 1931, and for the seven months ended July, are reported by the Department of Commerce in short tons (000 omitted) as follows:

	July	7 mos. ended July			
	1932	1931	1932	1931	
Hay	86	175	2,025	4,617	
Cottonseed cake		1,142	44,318	24,765	
Linseed cake	13,245	25,470	87,332	107,967	
Other oil cake	1,774	5,218	16,536	30,838	
Cottonseed meal	2,119	161	24,751	3,642	
Linseed meal	2,023	1,142	6,920	5,469	
Other oil meal	187	54	674	1,077	
Oyster shell	3,744	3,313	35,966	38,335	
Fishmeal	244	44	1,410	2,313	
Alfalfa meal		101	115	777	
Mixed dairy feed	230	260	992	1,082	
Mixed poultry feed	204	540	1,745	3,954	
Other mixed feed	438	568	2,269	3,726	
All other feed	5,806	1,900	30,453	14,536	

Buy Tested Cod Liver Oil

A chemical report made before a meeting of the American Medical Ass'n at Chicago, expresses better than anything else why grain and feed dealers will profit from handling tested and dependable sources of vitamins A and D, the principal reasons for feeding cod liver oil to poultry when sunlight is limited, or cold winter days keep the birds inside.

As the last link in the chain between producer and farm buyer, it is the duty of the dealer to pass along to his customers the dependable products that follow a dependable name.

According to the chemical report the products analyzed included 42 brands of cod liver oil, seven brands of capsules, 28 liquid preparations, seven concentrates, five emulsions and 10 miscellaneous.

Of the 42 brands of cod liver oil, 15 were samples of imports and the remainder domestic commercial brands. Some of these contained six times as much vitamin A as others. Five were demonstrated to be adulterated with other fish oils, strong enough in vitamin A, but low in D. Of the remaining 37 only two showed variation of 25% in vitamin D potency from standard.

Only two out of the seven brands of capsules, alleged to contain concentrates of cod liver oil, were found to contain vitamins A and D in therapeutic quantities. Others contained no vitamin A and insignificant quantities of vitamin D.

None of the 28 samples of alcoholic preparations, supposed to contain cod liver oil concentrates or extracts, were found to contain significant quantities of vitamins A and D.

Four out of the seven brands of concentrates contained vitamins A and D in sufficient quantity to be legitimately classed as concentrates. Three were practically or wholly devoid of vitamin A and showed not more than one-tenth the vitamin D potency of standard cod liver oil.

Fundamentally the elements of medicinal and commercial brands of cod liver oil used for animal and poultry feeding are the same. The chemical report, calling attention to discrepancies in the medicinal field, make it reasonable to assume that similar discrepancies may occur in the commercial field. It emphasizes the importance of doing business with reliable houses.

Pennsylvania Feed Dealers' Program

A livewire program is being prepared for the annual convention of the Pennsylvania Millers & Feed Dealers Ass'n to be held this year at the Americus Hotel, Allentown, Pa., Sept. 14-16. The first session will be held the evening of the 14th, consisting of addresses of welcome and response, and appointment of committees.

Prominent feed discussions on the program are C. W. Sievert on dry milk and its place in feed mixtures, and Dr. J. E. Hunter on the latest developments in poultry feed mixing.

Feed concentrate specialists who are on the program include G. A. Holland and C. L. Jaycox, representing Allied Mills; and F. M. Brobst, of the Health Products Corp.

Prizes have been offered for the best papers written by feed dealers on a variety of subjects, including profits in molasses feeds, power problems, and custom grinding.

Oat hulls are being offered for poultry litter by manufacturers of oat products. It is reported to be highly satisfactory for both baby chicks and laying hens.

If cured under proper conditions the Vitamin A of alfalfa plants is not much lowered by the process. Ideal conditions are rapid drying without long exposure to the sun. Bleached-out products, those which have lost their green color and look yellow or brownish, should never be used as a source of Vitamin A.—W. F. Holst, University of California, Bulletin 417.

ALFALFA MEAL

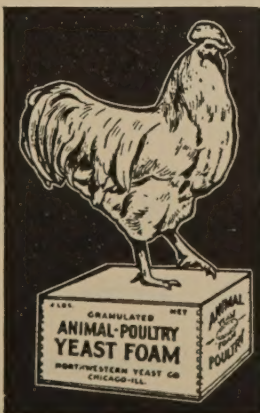
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New York Dealers Favor Rails

An equitable basis for competition between the truck lines and the railroads was urged in a resolution adopted by the New York State Hay & Grain Dealers Ass'n, in 27th annual convention at Syracuse on Aug. 18. The com'ite recommended that federal regulation restrict the truck lines and that present restrictions on rails be modified.

Other resolutions favored a 20% reduction in freight rates on hay and straw, federal inspection of hay and grain offered on the markets, and a protective tariff on straw as well as hay.

Inspection service at shipping points as well as at terminals was urged.

Urging more general use of horses and mules to create a greater demand for hay and grain, the com'ite contended these animals were more economical for short haul draft purposes than trucks.

Election of officers placed E. B. Murphy, Syracuse, in the pres.'s chair, and made A. G. Baltz, La Fargeville, vice-pres.; D. Clifford Jones, Weedsport, sec'y-treas.; Payne Williams, New York City, traffic advisor. The Board of Directors will be appointed by the pres. later.

F. M. McINTYRE, pres. Eastern Federation of Feed Merchants, received a rousing hand when he vigorously attacked "government in business," outlining the sad results of the Federal Farm Board and its subsidiaries. The Agricultural Marketing Act was called "class legislation of the most vicious and destructive kind."

ROY L. GILLETTE, Albany, statistician, predicted short crops in New York state, promising slightly better prices.

Corn and barley will produce good crops, but all others are smaller than a year ago. Oats are poor, and winter wheat is producing only about 20.5 bus. per acre. Alfalfa is a fair hay crop, but other grasses and legumes are producing a light crop.

A get-together luncheon was held in the Louis Room of the hotel at noon.

"Substitution of confidence for fear, establishment of a sound system of credit, and balancing of consumption with production," were the three solutions to present and future economic ills, according to Norman B. Thomson, Washington, D. C., field, executive for the Chamber of Commerce of the United States. One of the details offered in the program toward prosperity was legalizing of beer and re-submission of the 18th amendment to a vote of the people.

Reviewing the general conditions which led to the financial condition of the nation, Mr. Thomson recommended the program of the United States Chamber of Commerce for added assistance, stating:

Establish a strong and unified banking system for the entire nation, with adequate branch banks, assuring safety and giving confidence to depositors. Revise our banking laws to permit a reasonable control of credit against undue deflation in times of depression and undue inflation in times of speculation. Maintain the gold standard.

Amend the administrative features of our anti-trust laws.

Amend the act under which the Federal Trade Commission is organized so as to enlarge the power of trade ass'ns and permit them to adopt fair and just basic rules governing the conditions under which business and industry in each trade shall be carried on, subject to reasonable supervision of such rules either by the Federal Trade Commission or by a new commerce court.

Let business itself establish its economic council to consider fundamental problems that affect all business and industry.

Application was made by the Ass'n for membership in the U. S. Chamber of Commerce. It was accepted.

PRES. MURPHY won vigorous applause when he talked on "Grain Surplus Due to Decline in Horses," contending that the farmer had gained speed, ease, and a wide range in travel from use of the automobile, tractor and truck, but these conveniences had

reduced the horse population on farms 6,327,000 and the mule population 110,000 in the decade between 1920 and 1930. The city decrease of these draft animals was 600,000 in the same period. This number of additional animals would consume 15,000,000 tons of hay and 900,000,000 bus. of oats.

"Under the circumstances," said Mr. Murphy, "the farmers are in a valley surrounded by mountains, from which there are but two possible means of escape. One is by increasing yields per acre on the land that is tilled, and putting the poorer, cheaper lands down in grass, thereby eliminating tillage costs; the other is by lowering production costs directly by using the teams and tools already on the farm in larger units and by raising work animals to replace those that are worked out."

The report of Sec'y D. C. Jones shows the ass'n to be in good financial condition.

The banquet in the evening on the roof garden of the Hotel Onandaga was a great success. James A. Shea, Syracuse, was the entertaining speaker.

The midwinter meeting will be held in January.

Cottonseed Meal Active

By J. M. TRENHOLM

Memphis, Tenn., Sept. 3.—During the first part of the week the cottonseed meal market was quite active. Price held well in spite of heavy trading. On Wednesday prices slumped and liquidation carried the market down about \$1 a ton from the previous week. Recoveries followed on Friday, due to unfavorable weather and the momentum carried prices still higher on Saturday when the market opened 25 cts. up. Prices were bid up rapidly, January selling at \$21 and November at \$20.25, an advance of 75 cts. per ton. Profit taking by longs halted the advance and caused a break of 25 cts. November selling back to \$20. October sold at \$19.80, but \$19.50 was the best bid on the close. Deliveries on September contracts were 400 tons bringing the total tenders thus far in September up to 1400 tons. These deliveries are being well taken and are having no effect on the market.

Heavy rains thruout the cotton belt have delayed picking and will cause a further delay to oil mill operations. More storms are expected along the gulf coast. Should this mean continued rains in the cotton belt it is highly probable that the supplies of cottonseed meal will become scarce before new crop meal is forced on the market.

The advance in the price of cottonseed meal has attracted hedge selling in the future market not only against cottonseed meal but against purchases of other concentrates. In spite of this the market remains strong and continues to advance.

Private estimates on the cotton crop are coming out around 10,800,000 bales and many are convinced that the crop will not exceed 10,500,000 in which event the production of cottonseed meal will be so light as to make it practically independent of other markets.

The demand from consumers was extremely dull during the first half of the week but on Friday buyers were in the market at the full advance. Mills have temporarily withdrawn offerings of meal and will probably not be on the market until weather conditions permit them to accumulate a supply of raw material. The cottonseed meal market on Saturday closed steady at an advance of 50 cts. per ton from Friday and an advance of 25 cts. a ton from the previous Saturday.

Chicago, Ill.—Bids are now being taken by the Century Dairy Exhibit, Inc., a corporation controlled by the National Dairy Council of America, for erection of a modernistic building to house the exhibit of the dairy industry at the Century of Progress Exposition to be held here next year.

Oat Feed Equals Timothy Hay in Feeding Cows

Experimental work at the Wisconsin station bears out previous results that, when it constitutes not over 30 per cent of the grain mixture, oat feed is worth approximately 50 per cent of corn or hominy feed when fed to steers and lambs, 70 per cent of wheat bran when fed in amounts up to 25 per cent in grain mixtures to dairy cows, and 100 per cent of timothy hay, as determined with horses and dairy cows.

With pigs, when fed up to 16 per cent of their grain ration, oat feed was found to be worth approximately 50 per cent of corn or hominy feed. The corn, hominy feed, wheat bran, timothy hay or other feeds with which it has been compared have, in each case, been high grade.

Dairy cow experimental work has shown that oat feed may substitute for timothy hay, pound for pound. Cows show a liking for oat feed, and all livestock that has been worked with, several thousand head, have evidenced that oat feed is palatable and may be used either as part of the grain mixture or as a hay substitute.

Under drouth conditions, when hay needs to be shipped to the drouth-stricken regions, oat feed commends itself when, as during two seasons past oat feed sold for less than timothy or grass hay and for less than half the price of corn or hominy feed.—*Wisconsin Bulletin* 421.

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semi-solid	Molasses
Calcium, carbonate,	Oyster shell, crushed
phosphate	Peanut meal
Cocunut oil meal	Peat moss
Cod liver oil	Phosphates, rock
Charcoal	Potassium, chlorid
Commercial feeds	Iodide
Corn germ meal	Poultry grits
Cottonseed meal,	Salt
cake	Sardine oil
Feed mixers	Screenings
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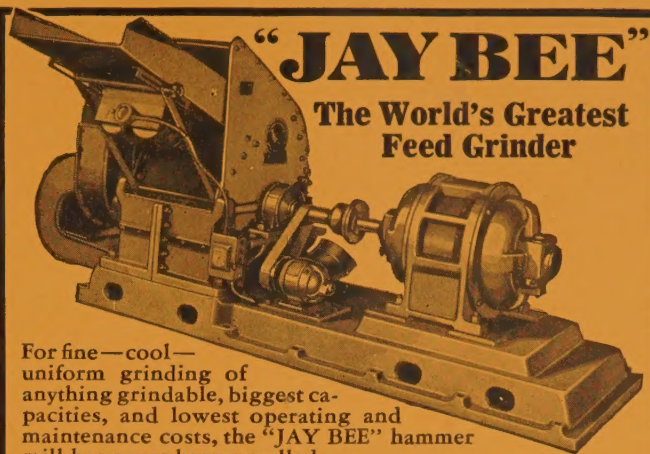
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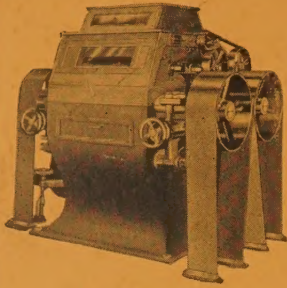
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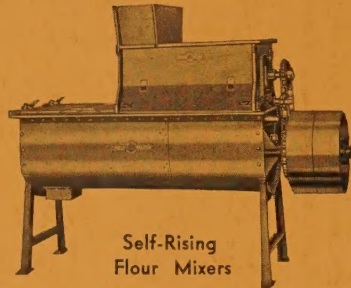
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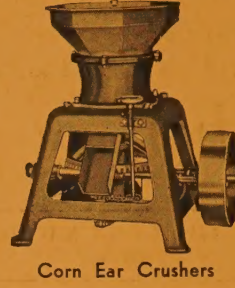
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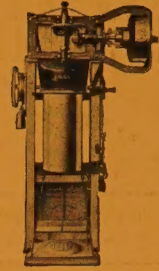
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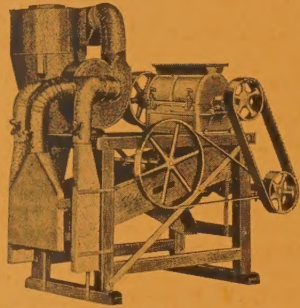
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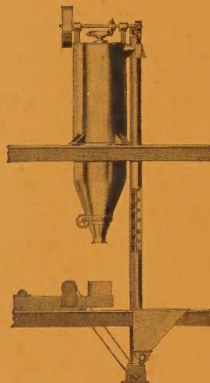
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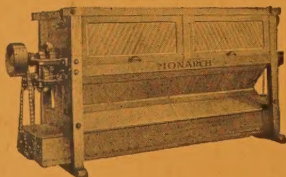
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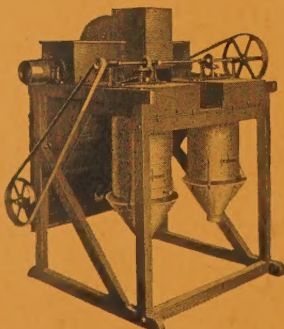
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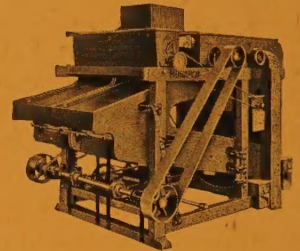
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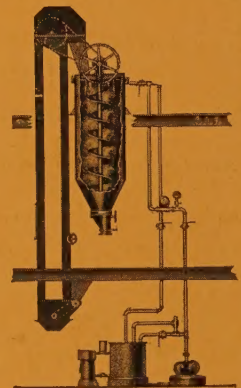
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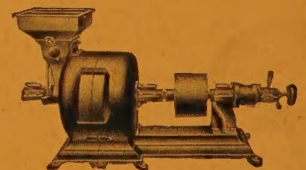
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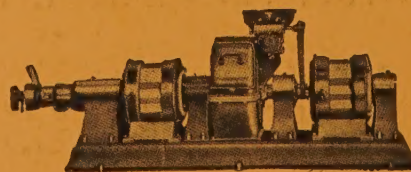
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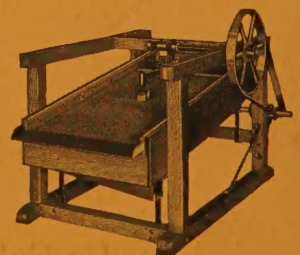
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